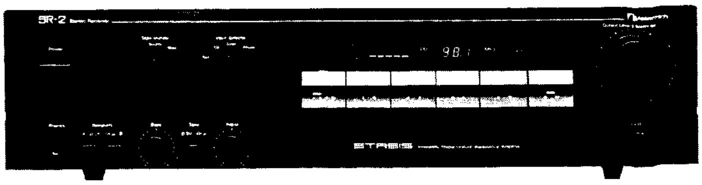
Nakamichi

Service Manual

Nakamichi
SR-2
SR-2A
SR-2E

Stereo Receiver



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1. GENERAL

1.1. Voltage Selector

Voltage selector is installed on the rear panel for Other version of the Nakamichi SR-2.
This voltage selector can select either 110 V, 120 V, 220 V or 240 V at customer's disposal.

Schematic Ref. No.	Part No.	Description	Q'ty
	FA03544A	Package Ass'y (SR-2 (Canada))	1
	FA03546A	Package Ass'y (SR-2 (Australia))	1
	FA03545A	Package Ass'y (SR-2 (Other))	1
	FA03543A	Package Ass'y (SR-2A)	1
	FA03568A	Package Ass'y (SR-2E (Germany & Europe))	1
01	0F03986A	Carton Box (SR-2)	1
	0F03985A	Carton Box (SR-2A)	1
	0F03989B	Carton Box (SR-2E)	1
02	0F03984B	Packing L	1
03	0F03991A	Packing R	1
04	0F03670A	Poly-Sheet	1
—	0M03456A	Voltage Seal 220V (SR-2 (Other))	2
—	0M03457A	Voltage Seal 240V (SR-2 (Australia))	2
	DA03991A	Accessory Ass'y (SR-2 (Canada))	1
	DA03992A	Accessory Ass'y (SR-2 (Australia))	1
	DA04009A	Accessory Ass'y (SR-2 (Other))	1
	DA03990A	Accessory Ass'y (SR-2A)	1
	DA03996A	Accessory Ass'y (SR-2E (Europe))	1
	DA04055A	Accessory Ass'y (SR-2E (Germany))	1
01	0B90070A	AM Loop Antenna Holder	1
02	0B90081A	Feeder Antenna	1
03	0B90194A	Antenna Adapter F (SR-2 & SR-2A)	1
	0B90208A	Antenna Adapter EP (SR-2E)	1
04	0B90198A	AM Loop Antenna	1
—	0D03092B	Poly-Bag 320x340x0.08	1
—	0D04449A	Important Notice Card	1
—	0D04651B	Owner's Manual SR-4/3/2 & SR-4A/3A/2A	1
	0D04764B	Owner's Manual SR-4E/3E/2E	1
—	0D04673B	French Text (SR-4/3/2 (Canada))	1
—	0D04674B	Owner's Manual Text (SR-4/3/2 (Australia))	1
—	0D04675B	Owner's Manual Text (SR-4/3/2 (Other))	1
—	DA03873A	Warranty Card Ass'y (SR-2A)	1
—	0D04766A	Catalogue (SR-2A)	1
—	0D04767A	Warranty Card (SR-2 (Canada))	1

1.2. Package Ass'y and Parts List

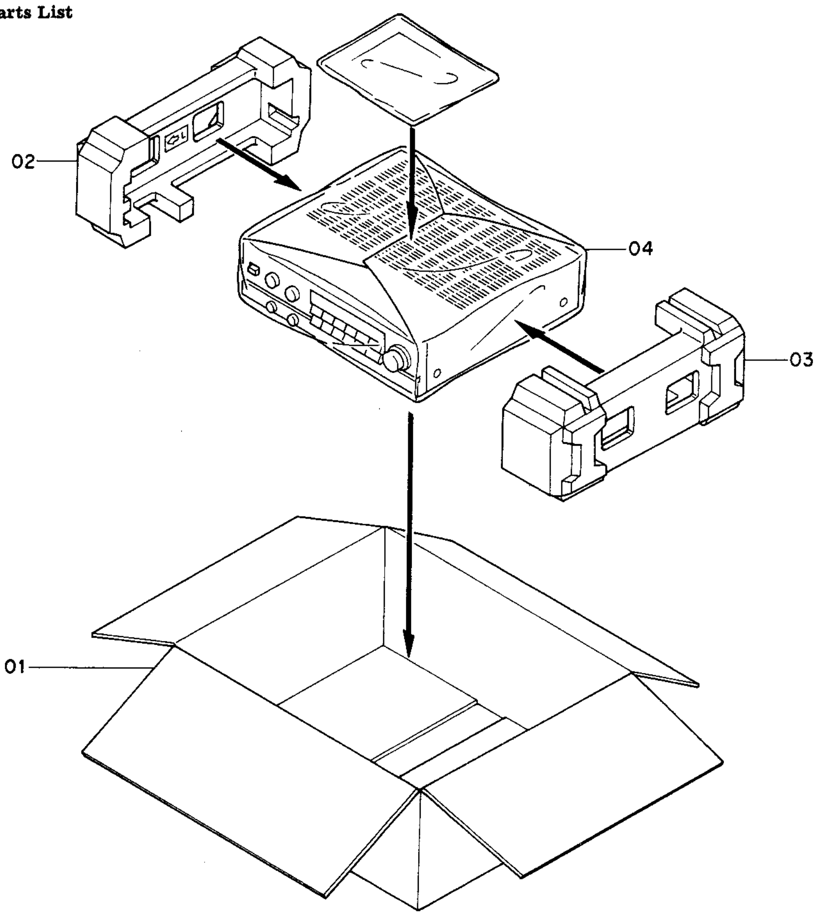


Fig. 1.1

1.3. Accessory Ass'y and Parts List

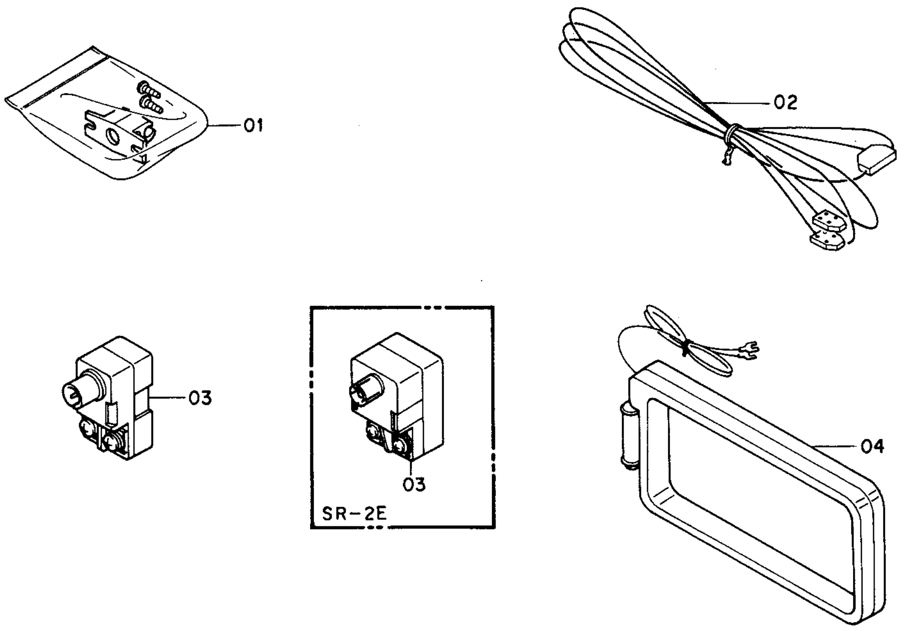

01
02
03
03
SR-2E
04

Fig. 1.2

2. PARTS LOCATION FOR ELECTRICAL ADJUSTMENT

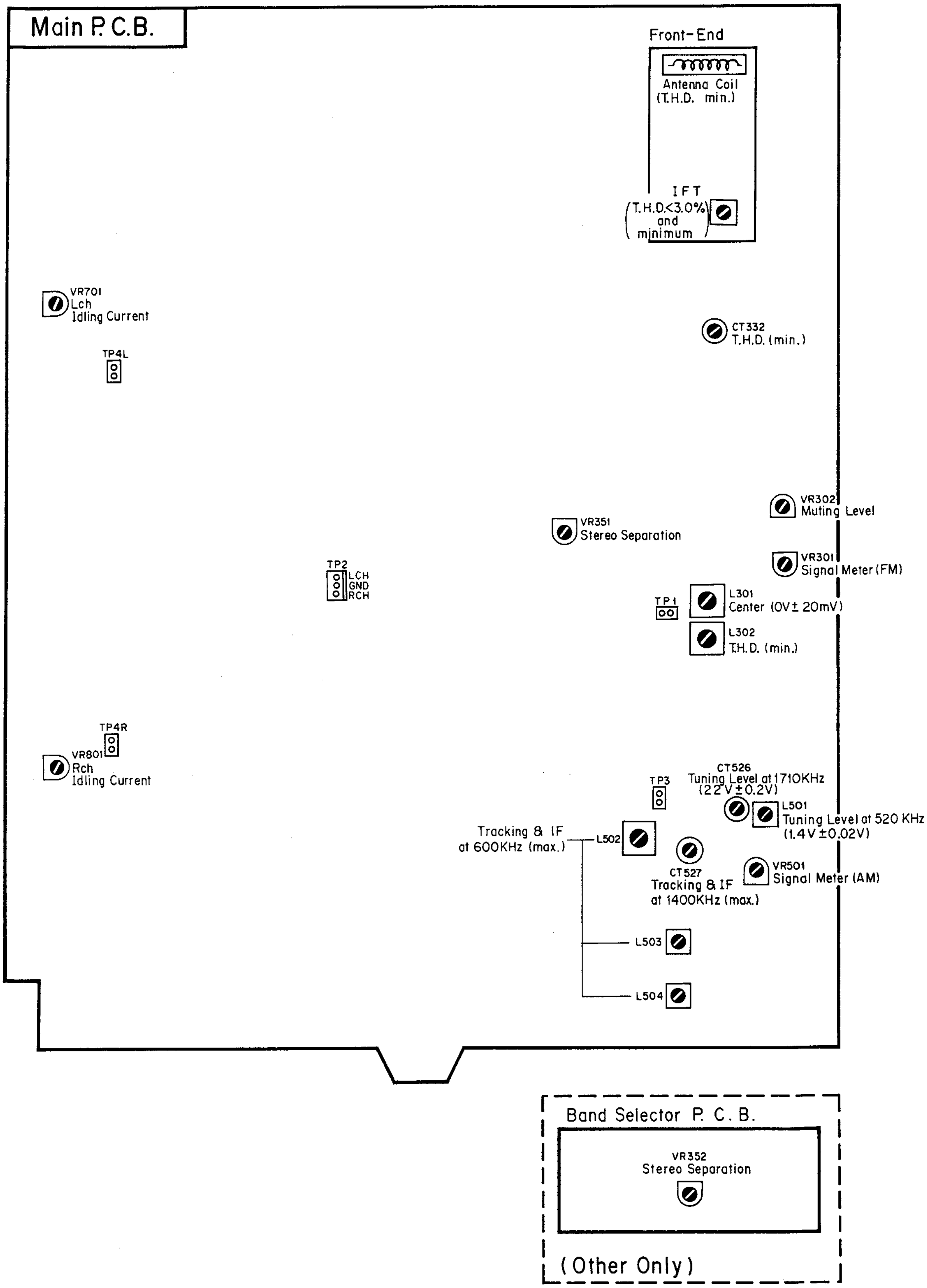

Main P.C.B.
Front-End
Antenna Coil (T.H.D. min.)
IFT
(T.H.D.<3.0% and minimum)
VR701
Lch
Idling Current
TP4L
CT332
T.H.D. (min.)
VR302
Muting Level
VR351
Stereo Separation
VR301
Signal Meter (FM)
TP2
LCH
GND
RCH
TP1
L301
Center (0V± 20mV)
L302
T.H.D. (min.)
TP4R
VR801
Rch
Idling Current
TP3
CT526
Tuning Level at 1710KHz
(22V±0.2V)
L501
Tuning Level at 520 KHz
(1.4V±0.02V)
Tracking & IF
at 600KHz (max.)
L502
CT527
Tracking & IF
at 1400KHz (max.)
VR501
Signal Meter (AM)
L503
L504
Band Selector P. C. B.
VR352
Stereo Separation
(Other Only)

Fig. 2

3. ELECTRICAL ADJUSTMENTS

3.1. Power Amplifier Section

STEP	ITEM	SIGNAL SOURCE	OUTPUT CONNECTION	MODE	ADJUSTMENT	REMARKS
1	Idling Current	None	DC Voltmeter between TP4L-1 & 2 and TP4R-1 & 2 on Main P.C.B.	Input Selector - CD Output Level - Min. Speaker Selector A/B - OFF	Main P.C.B. VR701 VR801	1. Insert shorting plugs into the CD Player Input Jacks. 2. Turn ON the power and allow 3 minutes before adjusting. (Top Cover must be installed in this period of time.) 3. Adjust VR701 (VR801) to obtain 20 mV ±1 mV on the DC voltmeter.

3.2. Tuner Section

Note: Adjustment should be made in a shielded room in principle.

3.2.1. FM Tuner Section

STEP	ITEM	OUTPUT CONNECTION	MODE	ADJUSTMENT	REMARKS
1	Preliminary Step	See Fig. 3.1	Stereo Receiver Input Selector - Tuner Band Selector - FM Tape Monitor - Source Signal Generator Freq. - 98 MHz RF Level - 65 dBf Modulation - See REMARKS		1. Set the Stereo Receiver as indicated in the MODE. 2. Adjustment and confirmation should be made after tuning in to the set carrier frequency of the Signal Generator. Note: Contents of modulation 1. For U.S.A., Canada & Other (Wide) o Stereo Audio: 1 kHz, 91% Pilot: 19 kHz, 9% o Mono Audio: 1 kHz, 100% 2. For Europe, Germany, Australia & Other (Narrow) o Stereo Audio: 1 kHz, 51% Pilot: 19 kHz, 9% o Mono Audio: 1 kHz, 60%
2	Usable Sensitivity Adjustment	Distortion Meter to Tape Record Output Jacks	Stereo Receiver Same as above Signal Generator Freq. - 98 MHz RF Level - 12.5 dBf Modulation - Mono	Main P.C.B. Front-end IFT Antenna Coil (See Fig. 2)	1. Set the Stereo Receiver to Manual mode by pressing the Tuning Mode button. 2. Adjust the IFT to obtain minimum distortion (total harmonic distortion (THD): 3% or less). 3. Adjust the distance between windings of antenna coil to obtain minimum distortion. 4. Set the frequency of the Signal Generator to 90 MHz/106 MHz and check that the THD is 3% or less.

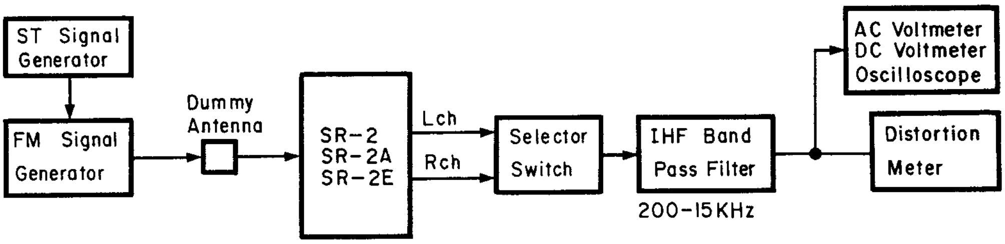


Fig. 3.1

STEP	ITEM	OUTPUT CONNECTION	MODE	ADJUST-MENT	REMARKS
3	Center Voltage and THD Adjustment	DC Voltmeter between TP1-1 & TP1-2 on Main P.C.B. and Distortion Meter to Tape Record Jacks	Stereo Receiver Same as above Signal Generator Freq. - 98 MHz RF Level - 65 dBf Modulation - Mono	Main P.C.B. L301 L302	1. Set the Stereo Receiver to Manual mode. 2. Adjust L301 so that the reading on the DC voltmeter is 0 V ±20 mV. 3. Adjust L302 to obtain minimum distortion (THD: 0.07% or less). Repeat 2 and 3, if necessary.
4	Muting Level Adjustment	Oscilloscope to Tape Record Output Jacks	Stereo Receiver Same as above Signal Generator Freq. - 98 MHz RF Level - 30 dBf Modulation - Stereo	Main P.C.B. VR302	1. Set the Stereo Receiver to Auto mode. 2. Rotate VR302 fully counterclockwise. Then, return it clockwise gradually until a waveform appears on the oscilloscope. 3. Decrease the RF level of the Signal Generator until the waveform on the oscilloscope disappears. Then increase the RF level gradually until a waveform appears again. At this point, check that the RF level of the Signal Generator is 30 dBf ±3 dB.
5	Signal Strength Meter Level Adjustment	None	Stereo Receiver Same as above Signal Generator Freq. - 98 MHz RF Level - 56 dBf Modulation - Stereo	Main P.C.B. VR301	1. Set the Stereo Receiver to Auto mode. 2. Adjust VR301 so that all segments (1-5) of the signal strength meter light up. 3. Decrease the RF level of the Signal Generator to distinguish the segment 5. Next, increase the RF level gradually so that the segment 5 starts illuminating. At this point, check that the RF level of the Signal Generator is 56 dBf ±2 dB.
6	Stereo Separation Adjustment	AC Voltmeter to Tape Record Output Jacks	Stereo Receiver Same as above Signal Generator Freq. - 98 MHz RF Level - 65 dBf Modulation - L or R only	Main P.C.B. VR351 Band Selector P.C.B. VR352 (Other only)	**Except for Other version:** 1. Set the Stereo Receiver to Auto mode. 2. Apply modulation to only L channel. 3. Adjust VR351 to obtain minimum reading on the AC voltmeter at the R channel output jack. 4. Apply modulation to only R channel. 5. Check that the reading on the AC voltmeter at the L channel output jack is within ±1 dB with respect to the reading in 3. If not, repeat 2 through 4. **For Other version:** 1. Set the switches on the rear panel as follows: Freq. Step FM/AM - 100 kHz/10 kHz IF Band - Wide 2. Apply the same procedures as above. 3. Set the switches as follows: Freq. Step FM/AM - 50 kHz/9 kHz IF Band - Narrow 4. Apply the same procedures as mentioned above, except for VR352.

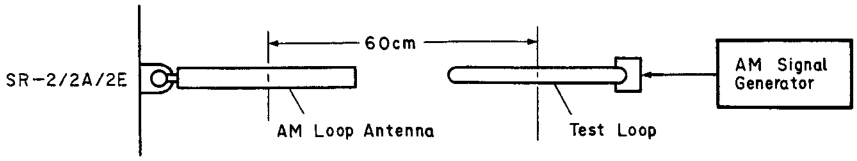


Fig. 3.2

STEP	ITEM	OUTPUT CONNECTION	MODE	ADJUST-MENT	REMARKS
7	Stereo/Mono Selection Check and THD Adjustment		Stereo Receiver Same as above Signal Generator Freq. - 98 MHz RF Level - 65 dBf Modulation - Stereo/ Mono	Main P.C.B. CT332	1. Set the Stereo Generator to L=-R mode. 2. Set the Stereo Receiver to Manual mode and check that the Stereo indicator goes out and stereo outputs disappear. 3. Set the Stereo Receiver to Auto mode and adjust CT332 to obtain minimum distortion (THD: 0.09% or less).

3 2.2. AM Tuner Section

Note: Frequencies for Europe, Germany, Australia and Other (Narrow) are indicated in parentheses.

STEP	ITEM	OUTPUT CONNECTION	MODE	ADJUST-MENT	REMARKS
1	Tuning Level Adjustment	DC Voltmeter between TP3-1 and TP3-2 on Main P.C.B.	Stereo Receiver Input Selector -Tuner Band Selector - AM Tape Monitor - Source Signal Generator Freq. - 520 (522) kHz/ 1710 (1611) kHz	Main P.C.B. L501 CT526	1. Set the frequency of the Signal Generator to 520 kHz (522 kHz) and make tuning. 2. Adjust L501 to obtain 1.4 V ±0.02 V on the DC voltmeter. 3. Change the frequency to 1710 kHz (1611 kHz) and make tuning. 4. Adjust CT526 to obtain 22 V ±0.2 V on the DC voltmeter. 5. If satisfactory results are not obtained, repeat 1 through 4.
2	Tracking and IF Adjustment	AC Voltmeter to Tape Record Output Jacks	Stereo Generator Same as above Signal Generator Freq. - 600 (603) kHz/ 1400 (1404) kHz RF Level - 82 dBμ/m Modulation - 400 Hz 30%	Main P.C.B. L502 L503 L504 CT527	1. Set the measurement instruments as shown in Fig. 3.2. Set the distance between the AM Loop Antenna of the SR-2/2A/2E and a test loop to 60 cm. To obtain 56 dBμ/m at the AM Loop Antenna, set the RF level output of the AM Signal Generator to 82 dBμ/m as loss is 26 dBμ/m in this setting. 2. Set the frequency of the Signal Generator to 600 kHz (603 kHz) and make tuning. 3. Adjust L502 to obtain maximum reading on the AC voltmeter. 4. Adjust L503 to obtain maximum reading on the AC voltmeter. 5. Adjust L504 to obtain maximum reading on the AC voltmeter. 6. Set the frequency to 1400 kHz (1404 kHz) and make tuning. 7. Adjust CT527 to obtain maximum reading on the AC voltmeter. 8. Repeat 2 through 7 once.
3	Signal Strength Meter Level Adjustment	None	Stereo Generator Same as above Signal Generator Freq. - 1000 (999) kHz RF Level - 106 dBμ/m	Main P.C.B. VR501	1. With the same setting as in Step 2, set the RF level output of the AM Signal Generator to 106 dBμ/m in order to obtain 80 dBμ/m at the AM Loop Antenna. 2. Adjust VR501 so that the segment 5 of the signal strength meter starts illuminating. Note: Before adjustment, select AM mode and wait for more than three minutes.

4. MECHANISM ASS'Y AND PARTS LIST

4.1. Synthesis

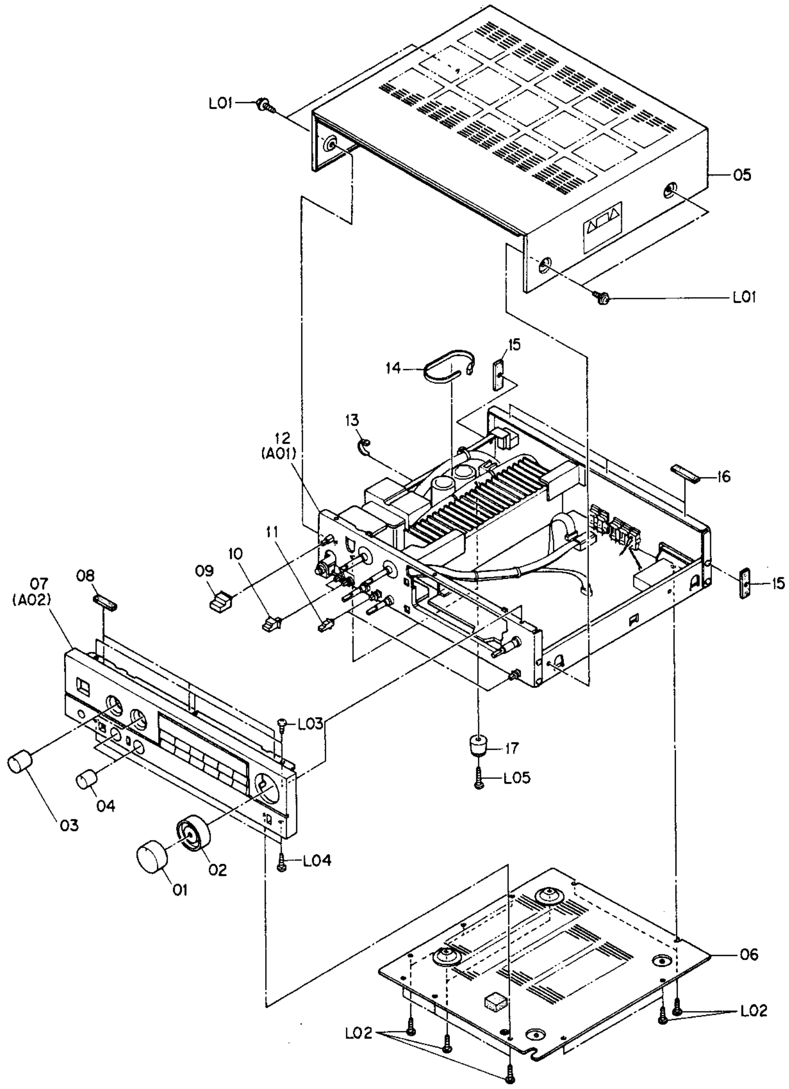


Fig. 4.1

Schematic Ref. No.	Part No.	Description	Q'ty
		Synthesis Serial No.: D10401001 -	
01	HA05103A	Volume Knob Ass'y	1
02	HA05104A	Balance Knob Ass'y	1
03	HA05105A	Selector Knob Ass'y	2
04	HA05106A	Tone Control Knob Ass'y	2
05	HA05148A	Top Cover Ass'y (SR-2 (Canada & Australia), SR-2A & SR-2E (Europe & Germany))	1
	HA05179A	Top Cover Ass'y (SR-2 (Other)) (Consisting of the followings:)	1
	(0H04934C)	Top Cover	(1)
	(0M04377B)	Caution Label	(1)
	(0J05261A)	Top Cover Cushion S	(3)
	(0M04811A)	Voltage Caution Sheet (SR-2 (Other))	(1)
	(0M04812A)	Voltage Caution Label (SR-2 (Other))	(1)
06	JA04245A	Bottom Cover Ass'y (Consisting of the followings:)	1
	(0J05203C)	Bottom Cover	(1)
	(0J05162A)	Leg T-S	(2)
	(0M04377B)	Caution Label	(1)
	(0E00888A)	BT3x12 ⊕ Binding	(2)
	(0J05214A)	P.C.B. Cushion	(1)
07	HA05094A	Front Panel Ass'y (SR-2 (Canada))	1
	HA05095A	Front Panel Ass'y (SR-2 (Australia & Other))	1
	HA05097A	Front Panel Ass'y (SR-2A)	1
	HA05096A	Front Panel Ass'y (SR-2E (Europe & Germany))	1
08	0J05364A	Top Cover Cushion T4	3
09	0H04947A	Power Switch Knob	1
10	0H04950B	Push Switch Knob 10L	2
11	0H04949B	Push Switch Knob 5L	2
12	JA04234A	Chassis Ass'y (SR-2 (Canada))	1
	JA04236A	Chassis Ass'y (SR-2 (Australia))	1
	JA04235A	Chassis Ass'y (SR-2 (Other))	1
	JA04238A	Chassis Ass'y (SR-2A)	1
	JA04237A	Chassis Ass'y (SR-2E (Europe))	1
	JA04287A	Chassis Ass'y (SR-2E (Germany))	1
13	0B90019A	Insu-Lock SKB80	25
14	0B08515A	Insu-Lock BK-1	5
15	0J05226A	Side Cushion	2
16	0J05363A	Top Cover Cushion T3	3
17	0J05162A	Leg T-S	2
L01	0E03032A	BT4x8 ⊕ Pan Washer-faced (Black Chromate)	4
L02	0E00868A	BT3x8 ⊕ Binding	12
L03	0E00857A	BT3x6 ⊕ Binding	3
L04	0E00921A	BT3x8 ⊕ Binding (Black Chromate)	2
L05	0E00888A	BT3x12 ⊕ Binding	2

4.2. Chassis Ass'y (A01)

Schematic Ref. No.	Part No.	Description	Q'ty
A01	JA04234A	Chassis Ass'y (SR-2 (Canada))	1
	JA04236A	Chassis Ass'y (SR-2 (Australia))	1
	JA04235A	Chassis Ass'y (SR-2 (Other))	1
	JA04238A	Chassis Ass'y (SR-2A)	1
	JA04237A	Chassis Ass'y (SR-2E (Europe))	1
	JA04287A	Chassis Ass'y (SR-2E (Germany)) Serial No.: D10401001 -	1
01	0J05092A	Snap Plate	1
02	0J05258B	Selector Knob Himelon	2
03	0J05200C	Front Chassis	1
04	BA06250A	Power Switch P.C.B. Ass'y (SR-2 (Canada) & SR-2A)	1
	BA06252A	Power Switch P.C.B. Ass'y (SR-2 (Australia & Other))	1
	BA06251A	Power Switch P.C.B. Ass'y (SR-2E (Europe))	1
	BA06821A	Power Switch P.C.B. Ass'y (SR-2E (Germany))	1
05	BA06253A	Speaker Switch P.C.B. Ass'y	1
06	BA06256A	Monitor Switch P.C.B. Ass'y	1
07	0B70080A	Rotary Switch Controller 4-4	1
08	BA06244A	Tone Control P.C.B. Ass'y (SR-2, SR-2A & SR-2E (Europe))	1
	BA06817A	Tone Control P.C.B. Ass'y (SR-2E (Germany))	1
09	BA06243A	Volume P.C.B. Ass'y	1
10	BA06290A	Loudness Switch P.C.B. Ass'y	1
11	0J05201C	Power Supply Chassis	1
12	0B50072A	Power Transformer (SR-2 (Canada) & SR-2A)	1
	0B50073A	Power Transformer (SR-2 (Australia) & SR-2E (Europe))	1
	0B50074A	Power Transformer (SR-2 (Other))	1
	0B50092A	Power Transformer (SR-2E (Germany))	1
13	BA06246A	Power Supply P.C.B. Ass'y (SR-2 (Canada & Other) & SR-2A)	1
	BA06247A	Power Supply P.C.B. Ass'y (SR-2 (Australia) & SR-2E (Europe))	1
	BA06820A	Power Supply P.C.B. Ass'y (SR-2E (Germany))	1
14	0J05019A	Collar Bushing 10mm	2
15	0J05208A	Collar Bushing 15mm	2
16	0B90210A	Insu-Lock T30MR-HS	4
17	0J05206A	Heat Sink Holder B	1
18	0J05227A	Heat Sink Holder D	1
19	BA06234A	Main P.C.B. Ass'y (SR-2 (Canada) & SR-2A)	1
	BA06309A	Main P.C.B. Ass'y (SR-2 (Australia))	1
	BA06236A	Main P.C.B. Ass'y (SR-2 (Other))	1
	BA06235A	Main P.C.B. Ass'y (SR-2E (Europe))	1
	BA06814A	Main P.C.B. Ass'y (SR-2E (Germany))	1
20	BA06283A	Speaker Terminal P.C.B. Ass'y (SR-2, SR-2A & SR-2E (Europe))	1
	BA06822A	Speaker Terminal P.C.B. Ass'y (SR-2E (Germany))	1
21	0B82759A	PD Connector (BLK) (SR-2 (Canada & Other) & SR-2A)	1
22	0B82758A	PD Connector (BRN) (SR-2 (Canada & Other) & SR-2A)	1
23	0B60388A	AC Outlet P.C.B. (SR-2 (Canada & Other) & SR-2A)	1
24	0J05224A	Insulator (SR-2 (Canada))	1
25	HA05083A	Rear Panel Ass'y (SR-2 (Canada))	1
	HA05085A	Rear Panel Ass'y (SR-2 (Australia))	1
	HA05084A	Rear Panel Ass'y (SR-2 (Other))	1
	HA05087A	Rear Panel Ass'y (SR-2A)	1
	HA05086A	Rear Panel Ass'y (SR-2E (Europe & Germany))	1
26	0J05202C	Side Chassis	1
27	BA06308A	Band Selector P.C.B. Ass'y (SR-2 (Other))	1
28	0B81738A	Ground Wire (SR-2E (Germany))	1
L01	0E00612A	M3x6 ⊕ Pan (2A)	6
L02	0E00868A	BT3x8 ⊕ Binding	18
L03	—	Nut M9	(1)
L04	—	Washer	(1)
L05	—	Nut M7	(4)
L06	—	Washer	(4)
L07	0E03217A	BT4x8 ⊕ Binding	4
L08	0E03157A	BT3x8 ⊕ Binding with Washer	5
L09	0E03071A	BT3x25 ⊕ Binding	2
L10	0E00888A	BT3x12 ⊕ Binding	1
L11	0E00921A	BT3x8 ⊕ Binding (Black Chromate)	11
L12	0E00945A	M2.6x4 ⊕ Binding (Black Chromate) (SR-2 (Other))	4
L13	0E03321A	ST3x6 ⊕ Binding (SR-2E (Germany))	1

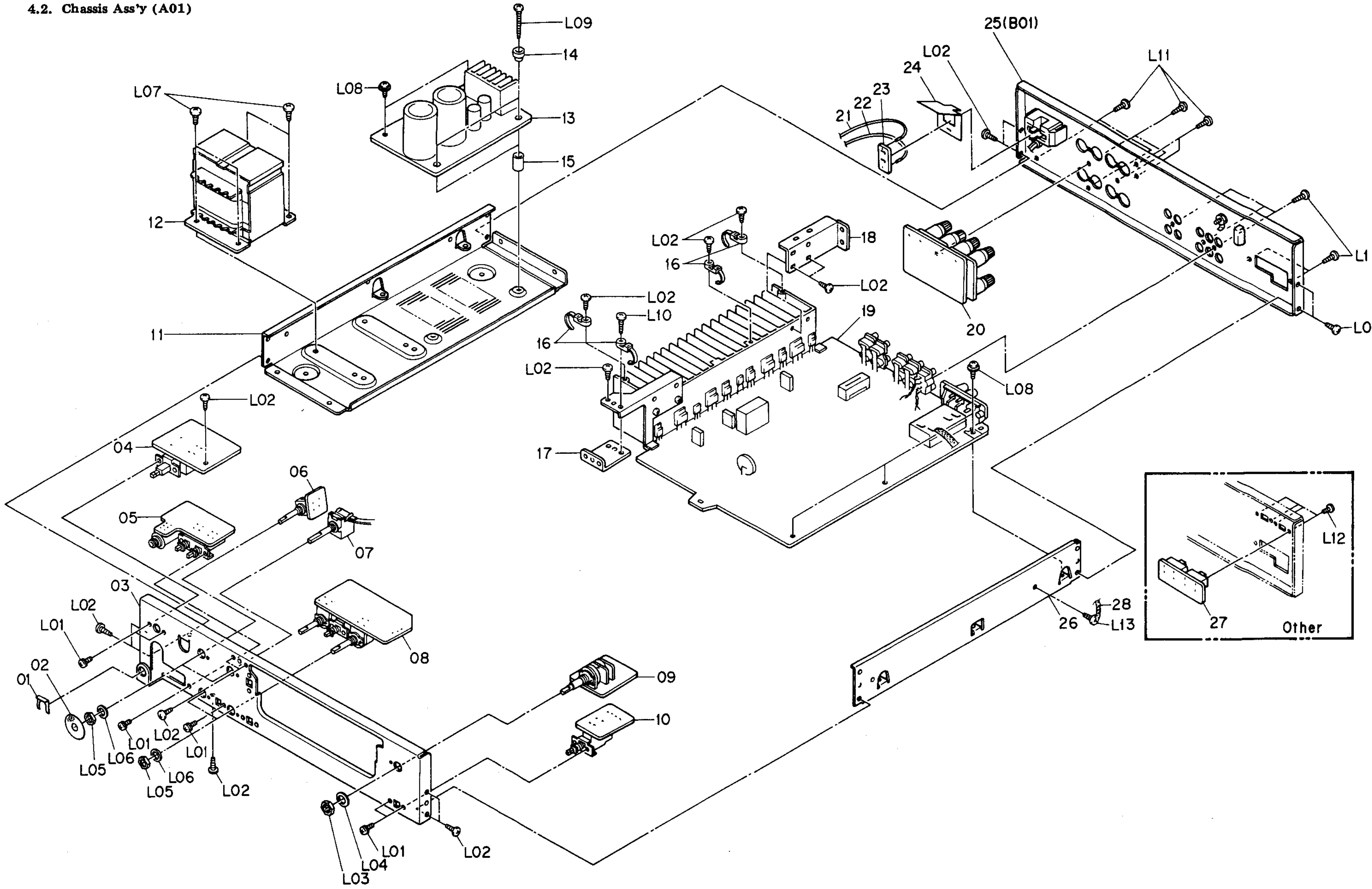


Fig. 4.2

4.3. Front Panel Ass'y (A02)

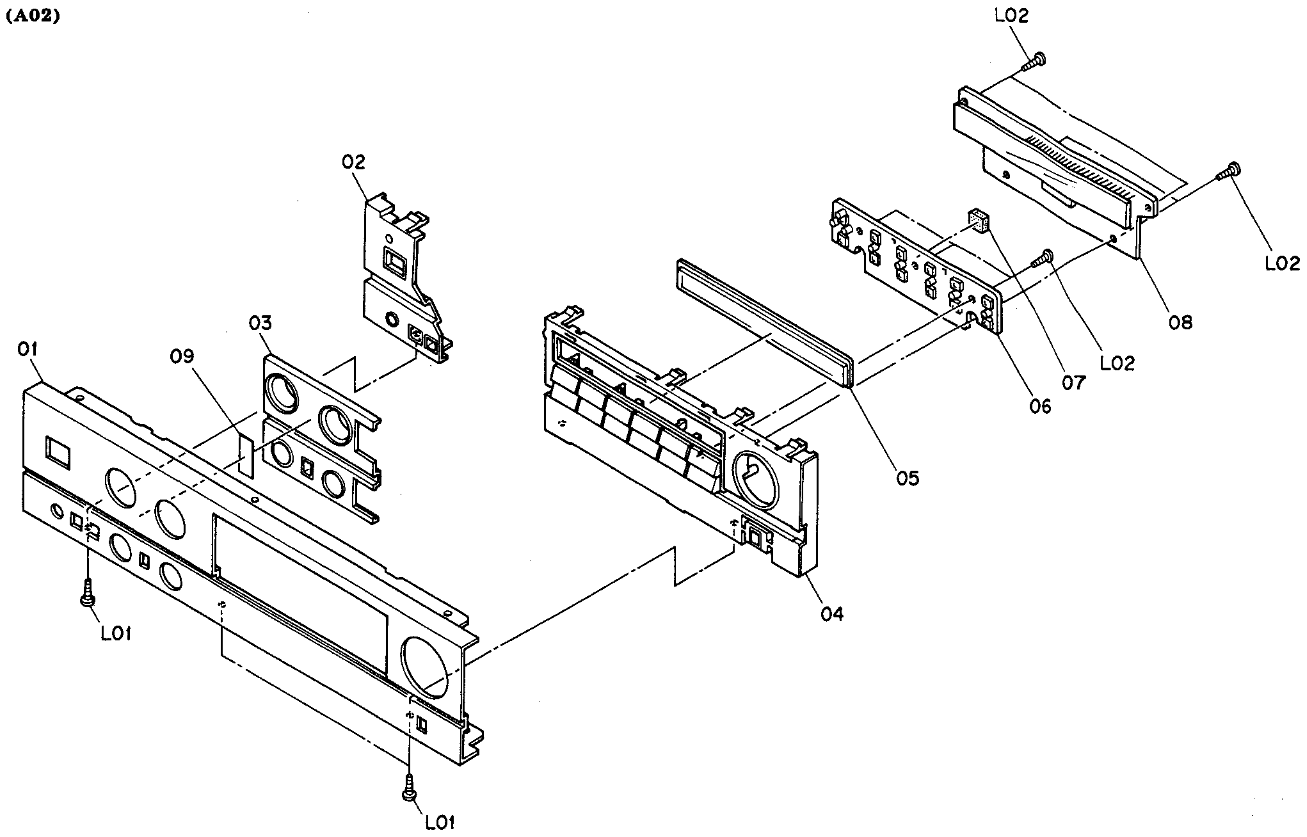


Fig. 4.3

4.4. Rear Panel Ass'y (B01)

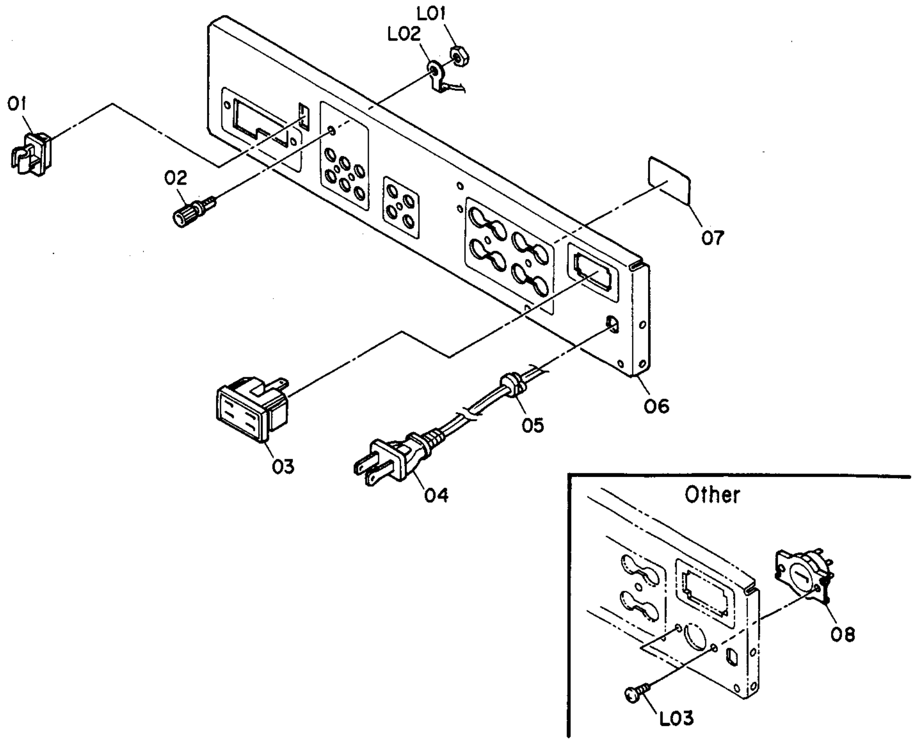


Fig. 4.4

Schematic Ref. No.	Part No.	Description	Q'ty
A02	HA05094A	Front Panel Ass'y (SR-2 (Canada))	1
	HA05095A	Front Panel Ass'y (SR-2 (Australia & Other))	1
	HA05097A	Front Panel Ass'y (SR-2A)	1
	HA05096A	Front Panel Ass'y (SR-2E (Europe & Germany))	1
		Serial No.: D10401001 -	
01	0H04921B	Front Panel (SR-2)	1
	0H04920B	Front Panel (SR-2A)	1
	0H04922A	Front Panel (SR-2E)	1
02	0H04935C	Front Escutcheon L	1
03	0H05010A	Front Escutcheon C	1
04	HA05102B	Front Escutcheon R Ass'y	1
05	0H04938A	Display Lens	1
06	BA06242A	Control Switch P.C.B. Ass'y	1
07	0J05262A	Indicator Cushion	1
08	BA06240A	Display P.C.B. Ass'y (SR-2 (Canada) & SR-2A)	1
	BA06241A	Display P.C.B. Ass'y (SR-2 (Australia & Other) & SR-2E (Europe & Germany))	1
L01	0E00921A	BT3x8 ⊕Binding (Black Chromate)	3
L02	0E00868A	BT3x8 ⊕Binding	7
B01	HA05083A	Rear Panel Ass'y (SR-2 (Canada))	1
	HA05085A	Rear Panel Ass'y (SR-2 (Australia))	1
	HA05084A	Rear Panel Ass'y (SR-2 (Other))	1
	HA05087A	Rear Panel Ass'y (SR-2A)	1
	HA05086A	Rear Panel Ass'y (SR-2E (Europe & Germany))	1
		Serial No.: D10401001 -	
01	0B90071A	AM Loop Antenna Holder	1
02	0B81604A	Ground Terminal T-5435	1
03	0B81597A	AC Outlet 2P (SR-2 (Canada & Other) & SR-2A)	1
04	0B90205A	Power Cord (SR-2 (Canada & Other) & SR-2A)	1
	0B05241A	Power Cord (SR-2 (Australia))	1
	0B08093U	Power Cord (SR-2E (Europe & Germany))	1
05	0B08351A	Cord Bushing 4K-4 (SR-2 (Canada & Other) & SR-2A)	1
	0B08037U	Cord Bushing C (SR-2 (Australia & SR-2E (Europe & Germany))	1
06	0H04927B	Rear Panel (SR-2 (Canada))	1
	0H04964B	Rear Panel (SR-2 (Australia))	1
	0H04929B	Rear Panel (SR-2 (Other))	1
	0H04926B	Rear Panel (SR-2A)	1
	0H04928A	Rear Panel (SR-2E (Europe & Germany))	1
07	0M04380A	Barrier Caution Label (SR-2 (Canada) & SR-2A)	1
08	0B70049A	Voltage Selector (SR-2 (Other))	1
L01	—	Nut (Ground Terminal)	(1)
L02	—	Earth Lug (Ground Terminal)	(1)
L03	0E00985A	M3x6 ⊕Binding (Black Chromate) (SR-2 (Other))	2

5. MOUNTING DIAGRAMS AND PARTS LIST

Notes: 1. Mounting diagram shows a dip side view of the printed circuit board.
2. Diode is 1SS53, 1S1555, or 1SS176 unless otherwise specified.
3. Following transistors are interchangeable with each other.
   a. 2SA733, 2SA608SP, 2SA1048, 2SA1175
   b. 2SC945, 2SC536SP, 2SC2458, 2SC2785
4. Abbreviation for part name:
   TR — Transistor, SiD — Silicon Diode, ZD — Zener Diode, Varicap — Variable Capacitance Diode
   RK — Carbon Resistor, RM — Metal Film Resistor, RF — Fail Safe Type Resistor, RC — Cement Resistor
   CE — Electrolytic Capacitor, CM — Mylar Capacitor, CC — Ceramic Capacitor, CP — PP Capacitor,
   CMM — Metalized Mylar Capacitor, CSP — Polystyrene Capacitor, C — Mica Capacitor

5.1. Power Switch P.C.B. Ass'y

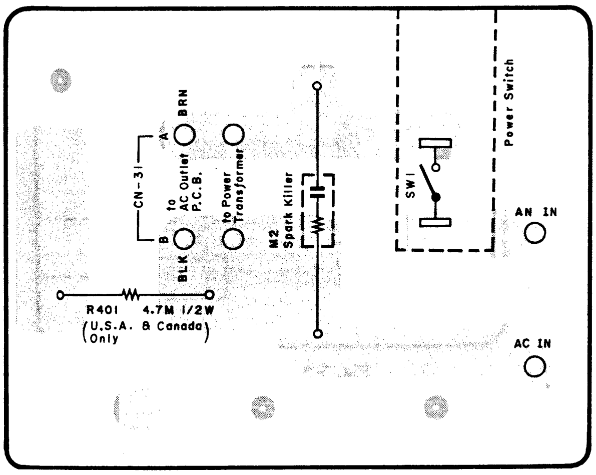

CN-31
A
BRN
B
BLK
to AC Outlet P.C.B.
to Power Transformer
M2 Spark Killer
SW1
Power Switch
AN IN
AC IN
R401 4.7M 1/2W
(U.S.A. & Canada Only)

Fig. 5.1

5.2. AC Outlet P.C.B. Ass'y

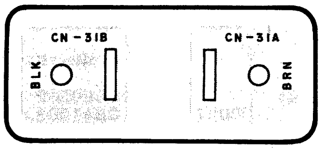

CN-31B
BLK
CN-31A
BRN

Fig. 5.2

5.3 Band Selector P.C.B. Ass'y

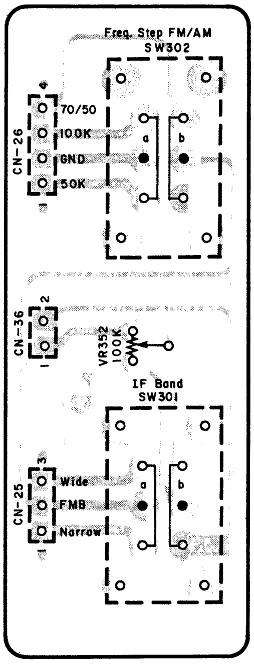

Freq. Step FM/AM
SW302
CN-26
4
1
70/50
100K
GND
50K
a
b
CN-36
2
1
VR352 100K
IF Band
SW301
CN-25
3
1
Wide
FMB
Narrow

Fig. 5.3.1 2nd Version

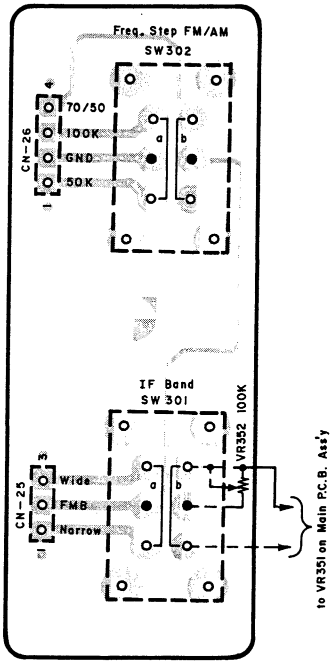

Freq. Step FM/AM
SW302
CN-26
4
1
70/50
100K
GND
50K
a
b
IF Band
SW 301
VR352 100K
CN-25
3
1
Wide
FMB
Narrow
to VR351 on Main P.C.B. Ass'y

Fig. 5.3.2 1st Version

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
	BA06250A	Power Switch P.C.B. Ass'y (SR-2 (Canada) & SR-2A)		0E00752A	Eyelet 2x3 (2)
	BA06252A	Power Switch P.C.B. Ass'y (SR-2 (Australia & Other))		0E00147A	Earth Lug B-6 (SR-2 (Canada) & SR-2A) (1)
	BA06251A	Power Switch P.C.B. Ass'y (SR-2E (Europe))		BA06255A	AC Outlet P.C.B. Ass'y (SR-2 (Canada & Other) & SR-2A)
	BA06821A	Power Switch P.C.B. Ass'y (SR-2E (Germany))		0B60388A	AC Outlet P.C.B.
			CN31A	0B82758A	PD Connector V450
			CN31B	0B82759A	PD Connector V450
	0B60387B	Power Switch P.C.B.		BA06308A	Band Selector P.C.B. Ass'y (SR-2 (Other))
R401	0B20057A	RK 4.7M 1/2W J (SR-2 (Canada) & SR-2A)		0B60378B	Band Selector P.C.B.
SW1	0B71006A	Power Switch	VR352	0B32099A	Semi VR 100K
M2	0B08342A	Spark Killer (SR-2 (Canada) & SR-2A)	SW301,302	0B70039A	Slide Switch 22S
			CN25	0B82804A	3P Connector 160
	0B08240A	Spark Killer (SR-2 (Australia & Other))	CN26	0B82805A	4P Connector 200
	0B90264A	Spark Killer XE-333 (SR-2E (Europe & Germany))	CN36	0B82905A	2P Connector S200

5.4. Volume P.C.B. Ass'y

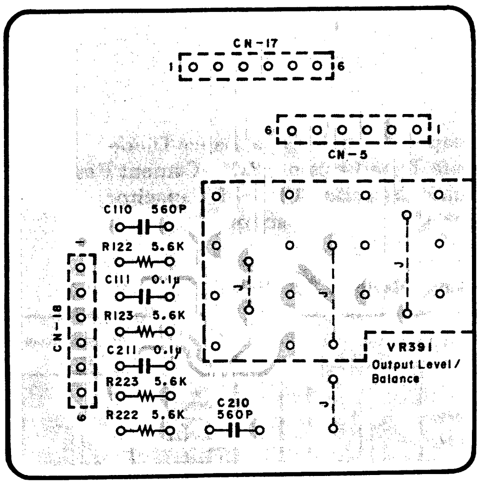


Fig. 5.4

5.5. Loudness Switch P.C.B. Ass'y

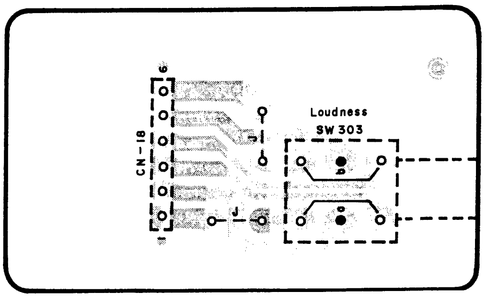


Fig. 5.5.1 2nd Version

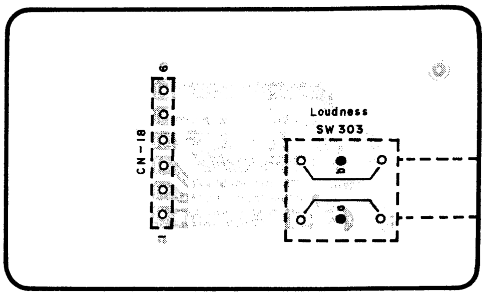


Fig. 5.5.2 1st Version

Schematic Ref. No.	Part No.	Description
	BA06243A	**Volume P.C.B. Ass'y**
	0B60383B	Volume P.C.B.
VR391	0B30061A	VR RK1612420
R122,123 222,223	0B09695A	RK 5.6K 1/6W J
C110,210	0B41219A	CP 560P 100V J
C111,211	0B01780A	CM 0.1μ 50V J
CN5,17 18	0B81013A	Dip Mate 6P WH6D-1
	BA06290A	**Loudness Switch P.C.B. Ass'y**
	0B60390B	Loudness Switch P.C.B.
SW303	0B70074A	Push Switch 1 Key
CN18	0B81013A	Dip Mate 6P WH6D-1
CN18	0B82736A	Ribbon Cable 6P 110mm
	BA06253A	**Speaker Switch P.C.B. Ass'y**
	0B60385C	Speaker Switch P.C.B.
R742,842	0B24104A	RF 330 1W J
CN23A	0B82744B	PD Connector V600
CN23B	0B82745B	PD Connector V720
CN33	0B82760A	PD Connector V350
	0B70075A	Push Switch 2 Key (1)
	0B81478A	Headphone Jack (1)

Schematic Ref. No.	Part No.	Description
	BA06244A	**Tone Control P.C.B. Ass'y (SR-2, SR-2A & SR-2E (Europe))**
	BA06817A	**Tone Control P.C.B. Ass'y (SR-2E (Germany))**
	— Line Amp. —	
Q105,106 205,206	0B10193A	FET 2SK184 (GR)
Q107,207 411	0B10050A	TR 2SA970 (BL)
Q108,208 410	0B06142A	TR 2SC2240 (BL)
ZD102,202	0B12150A	ZD 5.6V RD5.6JS-T1B2
ZD402	0B12174A	ZD 12V RD12JS-T1B2
R124,132 224,232	0B22229A	RM 1.00K 1/6W F
R125,225	0B22315A	RM 5.62K 1/6W F
R126,226	0B22371A	RM 18.2K 1/6W F
R127,227	0B22265A	RM 2.20K 1/6W F
R128,228	0B22347A	RM 11.0K 1/6W F
R129,229	0B09673A	RK 680 1/6W J
R130,230	0B09679A	RK 1.2K 1/6W J
R131,231	0B09695A	RK 5.6K 1/6W J
R162,262	0B22515A	RM 332K 1/6W F
R410	0B09677A	RK 1K 1/6W J
R420	0B09665A	RK 330 1/6W J
R421	0B09685A	RK 2.2K 1/6W J
C112,212	0B41703A	CSP 100P 50V J (SR-2, SR-2A & SR-2E (Europe))
	0B41704A	CSP 330P 50V J (SR-2E (Germany))
	— Tone Amp. —	
IC393	0B11070A	IC NJM072S
VR392	0B30062A	VR 100K (B)x2
VR393	0B30063A	VR 500K (B)x2
R134,234	0B09725A	RK 100K 1/6W J
R135-138 235-238	0B09715A	RK 39K 1/6W J (8)
R139,239	0B09723A	RK 82K 1/6W J

Schematic Ref. No.	Part No.	Description
C113,119 213,219	0B09816A	CE 10μ 16V (LN)
C114,214	0B09242A	C 47P 50V J
C115,215	0B09302A	C 100P 50V J
C116,216	0B05583A	CM 0.033μ 50V J
SW304	0B70074A	Push Switch 1 Key
	— Miscellaneous —	
	0B60382B	Tone Control P.C.B.
C027,028	0B41803A	C 470P 50V J (SR-2E (Germany))
CN3	0B82793A	3P Connector 500
CN6,17 19,19	0B81013A	Dip Mate 6P WH6D-1
CN20,20	0B81010A	Dip Mate 3P WH3D-1
AJ	0B82040B	PD Connector V050
BJ	0B82041B	PD Connector V050
	0B82734B	Ribbon Cable 6P 500mm (1)
	0B82735B	Ribbon Cable 6P 320mm (1)
	0B82737B	Ribbon Cable 6P 120mm (1)
	0B82738B	Ribbon Cable 3P 140mm (1)

5.6. Speaker Switch P.C.B. Ass'y

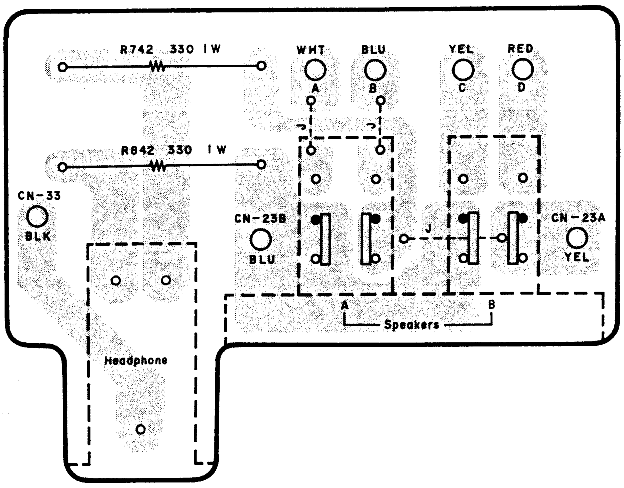

R742 330 1W
R842 330 1W
WHT
BLU
YEL
RED
A
B
C
D
J
CN-33
BLK
CN-23B
BLU
CN-23A
YEL
Headphone
Speakers

Fig. 5.6

5.7. Tone Control P.C.B. Ass'y

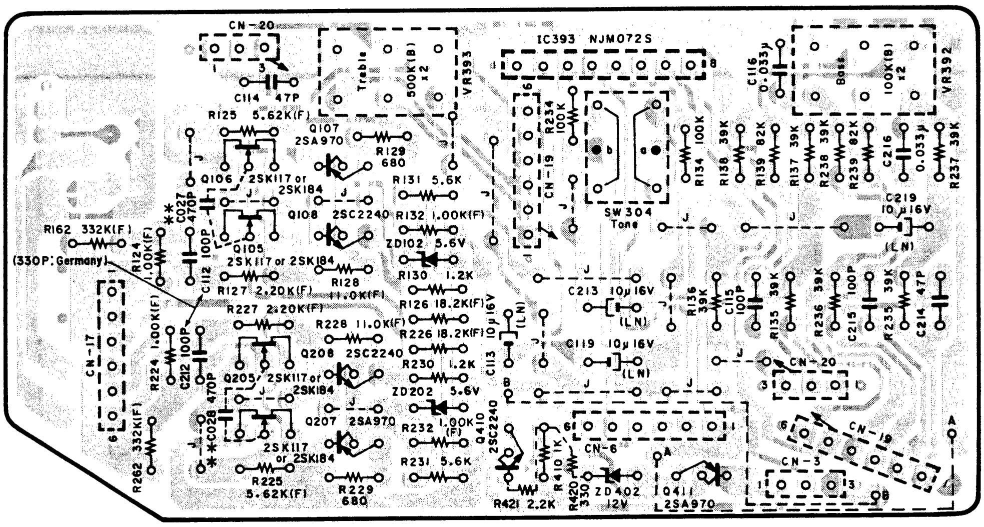

CN-20
C114 47P
R125 5.62K(F)
Treble
500K(B) x2
VR393
IC393 NJM072S
C116 0.033μ
Bass
100K(B) x2
VR392
Q107 2SA970
R129 680
Q106 2SK117 or 2SK184
R131 5.6K
Q108 2SC2240
R132 1.00K(F)
ZD102 5.6V
Q105 2SK117 or 2SK184
R162 332K(F)
(330P: Germany)
R124 1.00K(F)
C112 100P
C027 470P
R128 11.0K(F)
R130 1.2K
R127 2.20K(F)
R227 2.20K(F)
R126 18.2K(F)
R228 11.0K(F)
R226 18.2K(F)
Q208 2SC2240
R230 1.2K
ZD202 5.6V
Q205 2SK117 or 2SK184
Q207 2SA970
R232 1.00K (F)
2SK117 or 2SK184
R231 5.6K
R225 5.62K(F)
R229 680
CN-17
R224 1.00K(F)
C212 100P
C028 470P
R262 332K(F)
R234 100K
CN-19
SW304 Tone
R134 100K
R138 39K
R139 82K
R137 39K
R238 39K
R239 82K
C216 0.033μ
R237 39K
C219 10μ16V (LN)
C213 10μ16V (LN)
C119 10μ16V (LN)
C113 10μ16V (LN)
R136 39K
C115 100P
R135 39K
R236 39K
C215 100P
R235 39K
C214 47P
CN-20
CN-18
CN-3
CN-6
Q410 2SC2240
R410 1K
R420 330
R421 2.2K
ZD402 12V
Q411 2SA970

Fig. 5.7.1 2nd Version **: SR-2E (Germany) only.

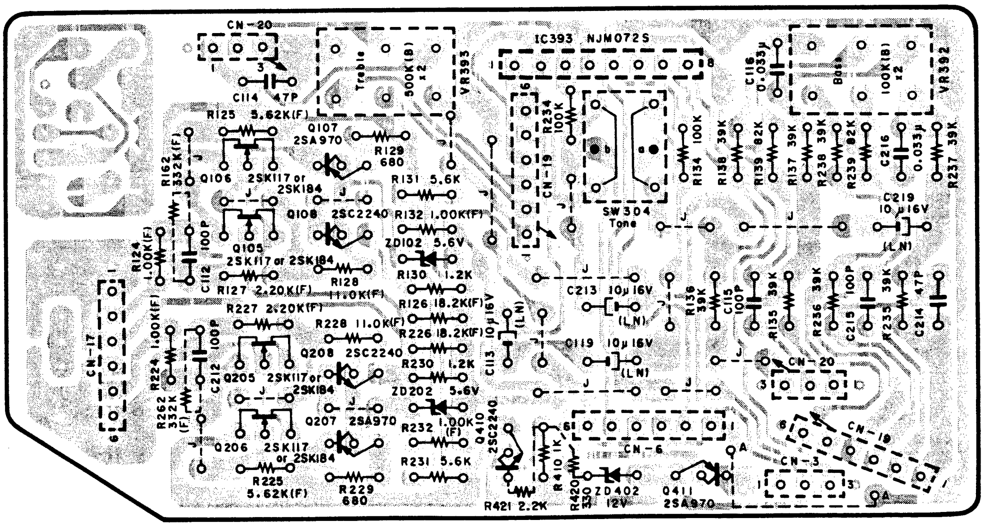

CN-20
C114 47P
R125 5.62K(F)
Treble
500K(B) x2
VR393
IC393 NJM072S
C116 0.033μ
Bass
100K(B) x2
VR392
Q107 2SA970
R129 680
R162 332K(F)
Q106 2SK117 or 2SK184
R131 5.6K
Q108 2SC2240
R132 1.00K(F)
ZD102 5.6V
R124 1.00K(F)
C112 100P
Q105 2SK117 or 2SK184
R128 11.0K(F)
R130 1.2K
R127 2.20K(F)
R227 2.20K(F)
R126 18.2K(F)
R228 11.0K(F)
R226 18.2K(F)
Q208 2SC2240
R230 1.2K
CN-17
R224 1.00K(F)
C212 100P
Q205 2SK117 or 2SK184
ZD202 5.6V
R262 332K(F)
Q207 2SA970
R232 1.00K (F)
Q206 2SK117 or 2SK184
R231 5.6K
R225 5.62K(F)
R229 680
R234 100K
CN-19
SW304 Tone
R134 100K
R138 39K
R139 82K
R137 39K
R238 39K
R239 82K
C216 0.033μ
R237 39K
C219 10μ16V (LN)
C213 10μ16V (LN)
C119 10μ16V (LN)
C113 10μ16V (LN)
R136 39K
C115 100P
R135 39K
R236 39K
C215 100P
R235 39K
C214 47P
CN-20
CN-18
CN-3
CN-6
Q410 2SC2240
R410 1K
R420 330
R421 2.2K
ZD402 12V
Q411 2SA970

Fig. 5.7.2 1st Version (For SR-2 & SR-2A only)

5.8. Speaker Terminal P.C.B. Ass'y

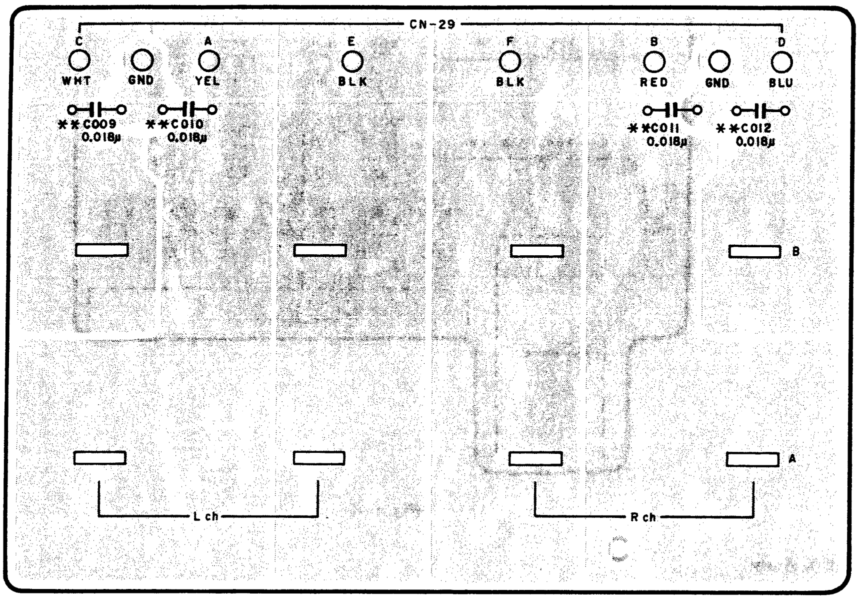

CN-29
C
WHT
GND
A
YEL
E
BLK
F
BLK
B
RED
GND
D
BLU
**C009
0.018μ
**C010
0.018μ
**C011
0.018μ
**C012
0.018μ
B
A
L ch
R ch

Fig. 5.8

**: SR-2E (Germany) only.

5.9. Power Supply P.C.B. Ass'y

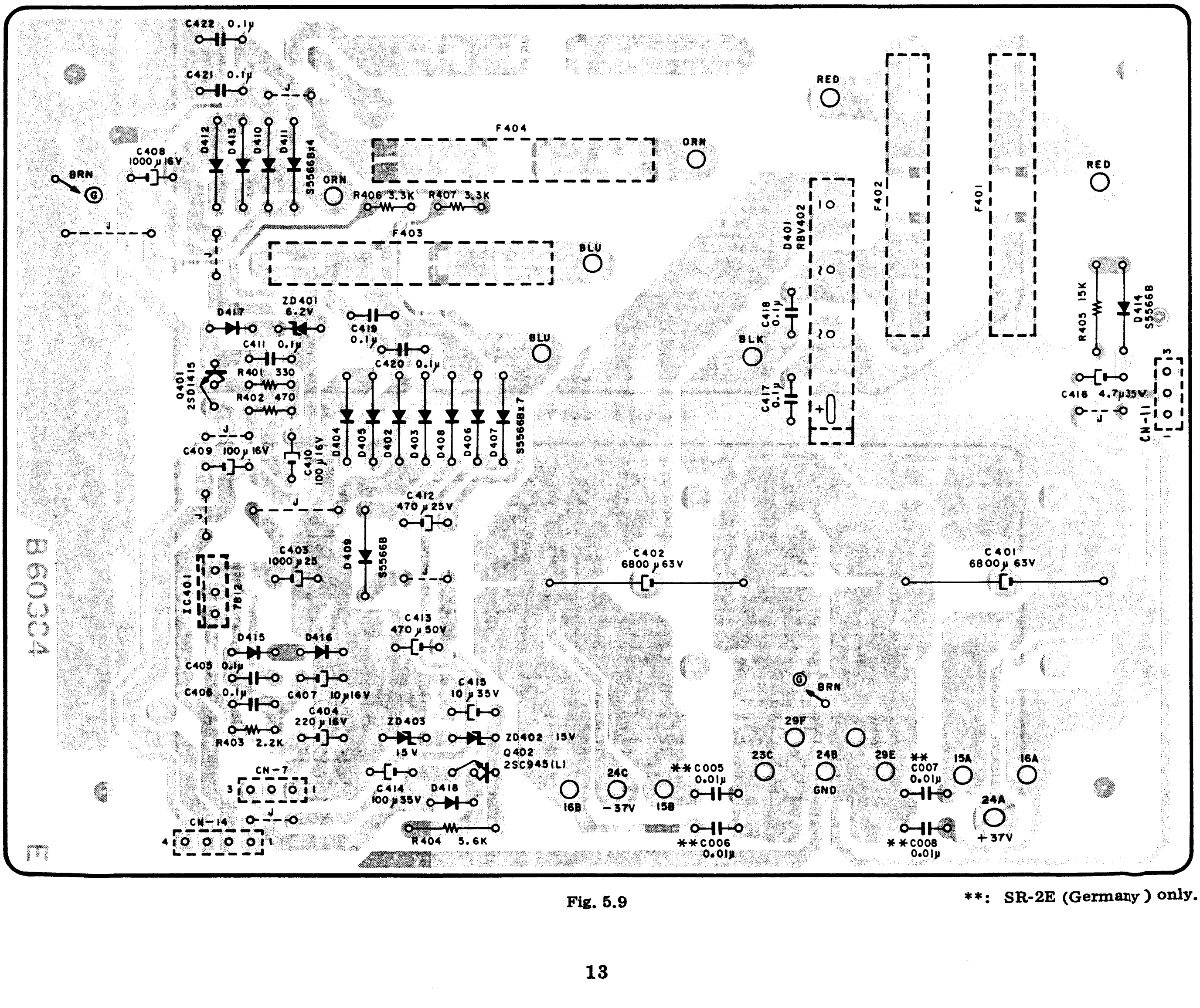

C422 0.1μ
C421 0.1μ
J
C408
1000μ16V
BRN
G
D412
D413
D410
D411
S5566B×4
ORN
F404
ORN
R406 3.3K
R407 3.3K
F403
BLU
J
D417
ZD401
6.2V
C419
0.1μ
C411 0.1μ
Q401
2SD1415
R401 330
R402 470
C420 0.1μ
BLU
BLK
C418
0.1μ
C417
0.1μ
D401
RBV402
+
C409 100μ16V
C410
100μ16V
D404
D405
D402
D403
D408
D406
D407
S5566B×7
C412
470μ25V
C403
1000μ25
D409
S5566B
IC401
7812
C413
470μ50V
D415
D416
C405 0.1μ
C406 0.1μ
C407 10μ16V
C404
220μ16V
R403 2.2K
C415
10μ35V
ZD403
15V
ZD402 15V
Q402
2SC945(L)
C414
100μ35V
D418
R404 5.6K
CN-7
3
1
CN-14
4
1
C402
6800μ63V
C401
6800μ63V
RED
F402
F401
RED
R405 15K
D414
S5566B
C416 4.7μ35V
CN-11
1
3
G
BRN
29F
23C
24B
GND
29E
**
C007
0.01μ
15A
16A
24A
+37V
**C008
0.01μ
24C
-37V
16B
15B
**C005
0.01μ
**C006
0.01μ
B 60324
E

Fig. 5.9

**: SR-2E (Germany) only.

Schematic Ref. No.	Part No.	Description
	BA06283A	Speaker Terminal P.C.B. Ass'y (SR-2, SR-2A & SR-2E (Europe))
	BA06822A	Speaker Terminal P.C.B. Ass'y (SR-2E (Germany))
	0B60386C	Speaker Terminal P.C.B.
C009,010 011,012	0B41289A	CMM 0.018μ 50V J (SR-2E (Germany))
CN29A	0B82753A	PD Connector V420
CN29B	0B82754A	PD Connector V420
CN29C	0B82755A	PD Connector V420
CN29D	0B82756A	PD Connector V420
CN29E,29F	0B82757A	PD Connector V250
	0B81595B	Speaker Terminal 8P (1)
	0B90019A	Insu-Lock SKB80 (4)
	0B83056B	Ground Wire (SR-2E (Germany) (1)
	BA06246A	Power Supply P.C.B. Ass'y (SR-2 (Canada & Other) & SR-2A)
	BA06247A	Power Supply P.C.B. Ass'y (SR-2 (Australia) & SR-2E (Europe))
	BA06820A	Power Supply P.C.B. Ass'y (SR-2E (Germany))
	0B60384E	Power Supply P.C.B.
IC401	0B11252A	IC AN78M12
Q401	0B10012A	TR 2SD1415
Q402	0B01872A	TR 2SC945L (P,Q)
ZD401	0B12153A	ZD 6.2V RD6.2JS-T1B2
ZD402,403	0B12181A	ZD 15V RD15JS-T1B2
D401	0B12387A	SiD RBV-402
D402-414	0B12362A	SiD S5566B (13)
D415,416 417,418	0B06398A	SiD 1SS176
R401	0B09665A	RK 330 1/6W J
R402	0B09669A	RK 470 1/6W J
R403	0B09685A	RK 2.2K 1/6W J
R404	0B01887A	RK 5.6K 1/4W J
R405	0B01683A	RK 15K 1/4W J
R406,407	0B09689A	RK 3.3K 1/6W J
C005,006 007,008	0B41286A	CMM 0.01μ 50V J (SR-2E (Germany))
C401,402	0B40409A	CE 6800μ 63V
C403	0B40095A	CE 1000μ 25V
C404	0B40079A	CE 220μ 16V
C405,406 411,417 418-422	0B41298A	CMM 0.1μ 50V J (9)
C407	0B01412A	CE 10μ 16V
C408	0B40082A	CE 1000μ 16V
C409,410	0B40078A	CE 100μ 16V
C412	0B40094A	CE 470μ 25V
C413	0B40123A	CE 470μ 50V
C414	0B40104A	CE 100μ 35V
C415	0B40100A	CE 10μ 35V
C416	0B40099A	CE 4.7μ 35V
F401,402	0B08574A	Fuse 4A (SR-2 (Canada & Other) & SR-2A)
F401,402	0B08625A	Fuse T2.5A 250V (SR-2 (Australia) & SR-2E (Europe & Germany))
F403,404	0B08374A	Fuse 1A (SR-2 (Canada & Other) & SR-2A)
F403	0B08263U	Fuse T315mA 250V (SR-2 (Australia) & SR-2E (Europe & Germany))
F404	0B08347U	Fuse T1A 250V (SR-2 (Australia) & SR-2E (Europe & Germany))
CN7,11	0B81635A	3P-T Post
CN14	0B81636A	4P-T Post
CN15A	0B82740B	PD Connector V400
CN15B	0B82741B	PD Connector V400
CN16A	0B82742B	PD Connector V520
CN16B	0B82743B	PD Connector V520
CN21	0B82803A	2P Connector
CN23C	0B82746B	PD Connector V440
CN24A	0B82747B	PD Connector V300
CN24B	0B82748B	PD Connector V300
CN24C	0B82749B	PD Connector V300
	0B08349B	Fuse Clip (SR-2 (Australia) & SR-2E (Europe & Germany)) (8)
	0M04191A	Fuse Label T1A 250V (SR-2 (Australia) & SR-2E (Europe & Germany)) (1)
	0M04462A	Fuse Label T2.5A 250Vx2 (SR-2 (Australia) & SR-2E (Europe & Germany)) (1)
	0M04194A	Fuse Label T315mA 250V (SR-2 (Australia) & SR-2E (Europe & Germany)) (1)
	0E00612A	M3x6 ⊕Pan (2A) (2)
	0J05197A	Heat Sink (1)
	0E03355A	Earth Lug (1)
	0B90019A	Insu-Lock SKB80 (6)
	0B90206A	Insu-Lock SKB4M (1)
	0J05225A	Capacitor Cushion (1)

5.10. Monitor Switch P.C.B. Ass'y

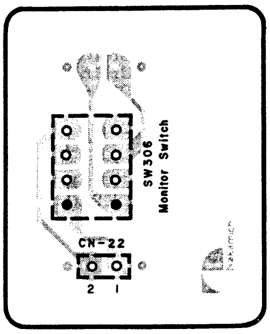


Fig. 5.10

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
	BA06256A	Monitor Switch P.C.B. Ass'y		BA06242A	Control Switch P.C.B. Ass'y
	0B60379A	Monitor Switch P.C.B.		0B60381D	Control Switch P.C.B.
SW306	0B70079A	Rotary Switch 2-2	Q901,902 905-908	0B10058A	TR DTA114ES (6)
CN22	0B81002A	Dip Mate 2P			
	0B82739A	Ribbon Cable 2P (1)	Q903,904	0B10068A	TR DTC114ES
			LED910-917	0B12395A	LED SLR-34PC3F (Green) (8)
			D901-905 908,909 917-919	0B06398A	SiD 1SS176 (10)
			D906,907	0B12391A	SiD MC911
			R901,909	0B09657A	RK 150 1/6W J
			R902,903 905-908	0B09689A	RK 3.3K 1/6W J (6)
			R904	0B09661A	RK 220 1/6W J
			SW901-912	0B70062A	Tact Switch KHH10910 (12)
			CN12	0B82800A	12P Connector 170mm
			CN13	0B82801A	5P Connector 170mm
				0J05209B	LED Reflector D100 (8)

5.11. Control Switch P.C.B. Ass'y

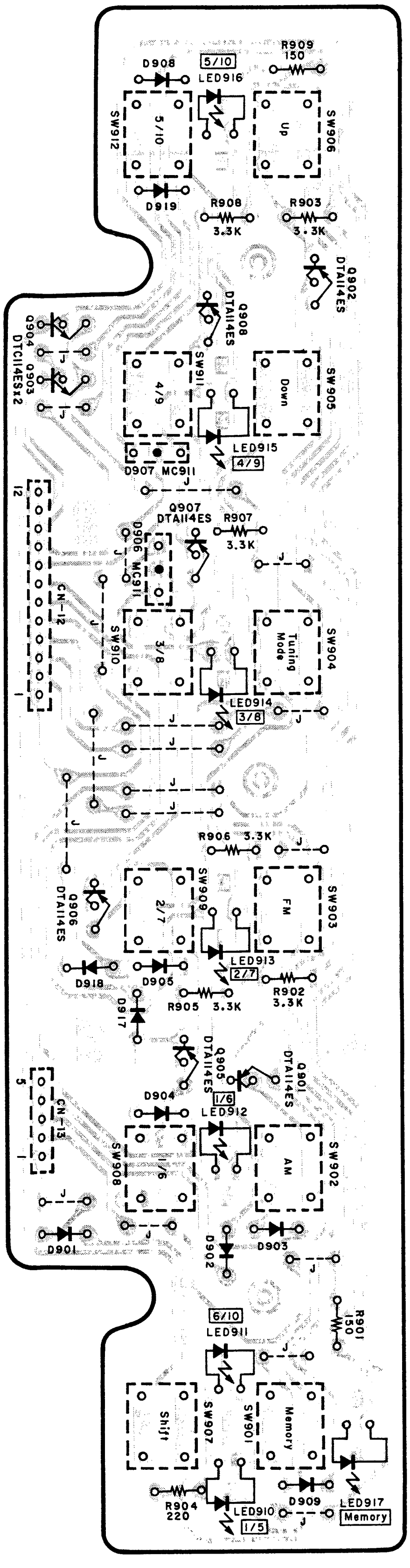

D908
5/10
LED916
R909
150
SW912
5/10
Up
SW906
D919
R908
3.3K
R903
3.3K
Q902
DTA114ES
Q908
DTA114ES
Q904
Q903
DTC114ESx2
SW911
4/9
Down
SW905
LED915
4/9
D907
MC911
12
Q907
DTA114ES
R907
3.3K
D906
MC911
CN-12
SW910
3/8
Tuning Mode
SW904
LED914
3/8
1
J
R906
3.3K
Q906
DTA114ES
2/7
SW909
FM
SW903
LED913
2/7
D918
D905
D917
R905
3.3K
R902
3.3K
Q905
DTA114ES
Q901
DTA114ES
D904
1/6
LED912
5
CN-13
SW908
1/6
AM
SW902
D901
D902
D903
6/10
LED911
R901
150
Shift
SW907
SW901
Memory
R904
220
LED910
1/5
D909
LED917
Memory

Fig. 5.11.1 2nd Version

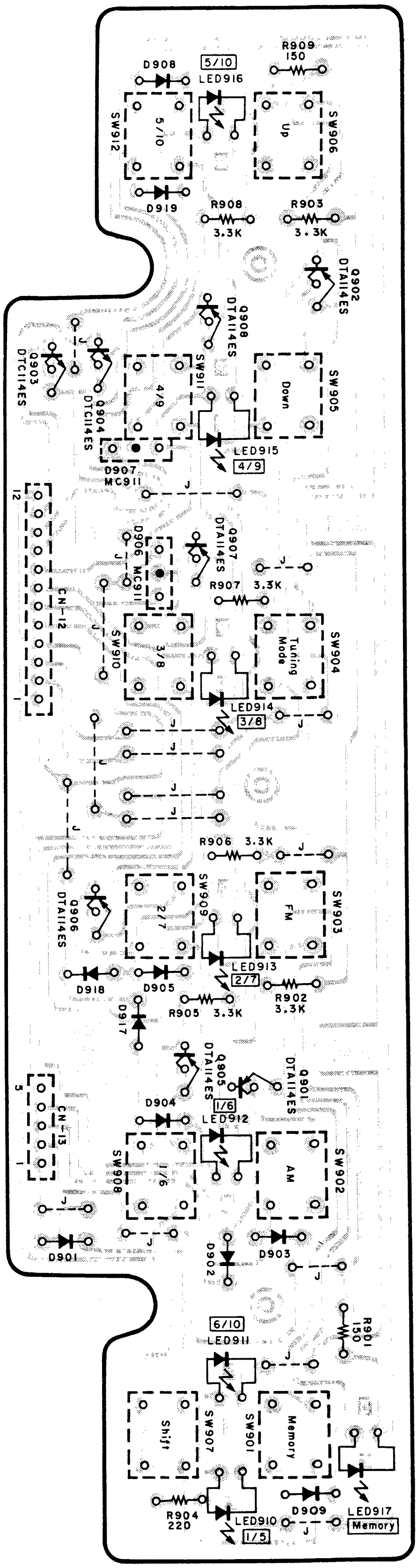
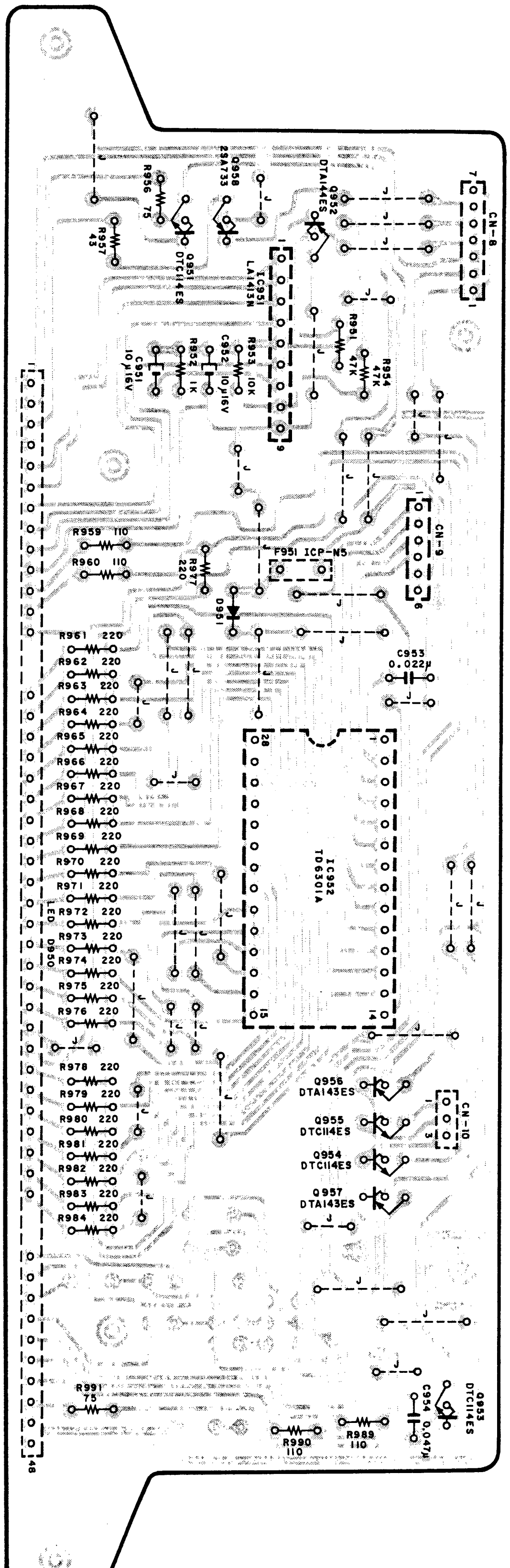

D908
5/10
LED916
R909
150
SW912
5/10
Up
SW906
D919
R908
3.3K
R903
3.3K
Q902
DTA114ES
Q908
DTA114ES
Q903
DTC114ES
Q904
DTC114ES
SW911
4/9
Down
SW905
D907
MC911
LED915
4/9
12
Q907
DTA114ES
D906
MC911
R907
3.3K
CN-12
SW910
3/8
Tuning Mode
SW904
LED914
3/8
1
J
R906
3.3K
Q906
DTA114ES
2/7
SW909
FM
SW903
LED913
2/7
D918
D905
R905
3.3K
R902
3.3K
D917
Q905
DTA114ES
Q901
DTA114ES
D904
1/6
LED912
5
CN-13
SW908
1/6
AM
SW902
D901
D902
D903
6/10
LED911
R901
150
Shift
SW907
SW901
Memory
R904
220
LED910
1/5
D909
LED917
Memory

Fig. 5.11.2 1st Version

5.12. Display P.C.B. Ass'y

5.12.1. For SR-2 (Canada) & SR-2A

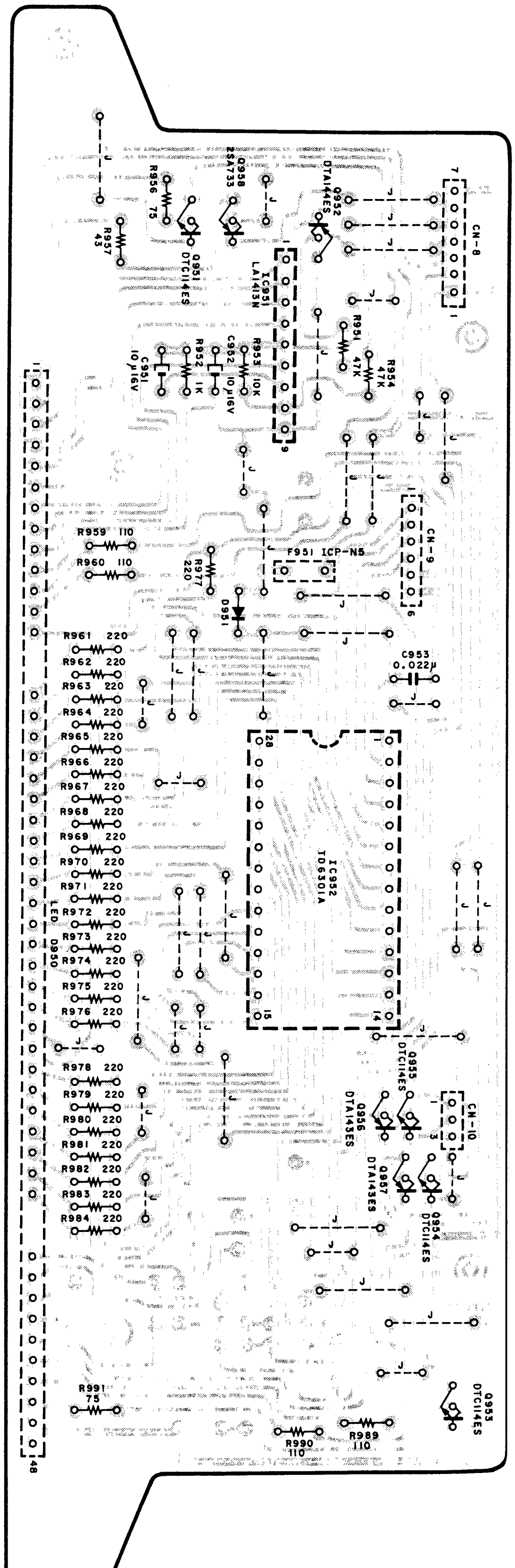
(1) 2nd Version



CN-8
Q952 DTA144ES
Q958 2SA733
R956 75
R957 43
Q951 DTC114ES
IC951 LA1413N
R951 47K
R954 47K
R953 10K
C952 10µ16V
R952 1K
C951 10µ16V
CN-9
R959 110
R960 110
R977 220
F951 ICP-N5
D951
C953 0.022µ
R961 220
R962 220
R963 220
R964 220
R965 220
R966 220
R967 220
R968 220
R969 220
R970 220
R971 220
R972 220
R973 220
R974 220
R975 220
R976 220
R978 220
R979 220
R980 220
R981 220
R982 220
R983 220
R984 220
IC952 TD6301A
LED D950
Q956 DTA143ES
Q955 DTC114ES
Q954 DTC114ES
Q957 DTA143ES
CN-10
R991 75
R990 110
R989 110
C954 0.047µ
Q953 DTC114ES
J
1
7
9
6
3
28
15
14
48

Fig. 5.12.1.1 2nd Version

(2) 1st Version



CN-8
Q952 DTA144ES
Q958 2SA733
R956 75
R957 43
Q951 DTC114ES
IC951 LA1413N
R951 47K
R954 47K
R953 10K
C952 10µ16V
R952 1K
C951 10µ16V
CN-9
R959 110
R960 110
R977 220
F951 ICP-N5
D951
C953 0.022µ
R961 220
R962 220
R963 220
R964 220
R965 220
R966 220
R967 220
R968 220
R969 220
R970 220
R971 220
R972 220
R973 220
R974 220
R975 220
R976 220
R978 220
R979 220
R980 220
R981 220
R982 220
R983 220
R984 220
IC952 TD6301A
LED D950
Q955 DTC114ES
Q956 DTA143ES
Q957 DTA143ES
Q954 DTC114ES
CN-10
R991 75
R990 110
R989 110
Q953 DTC114ES
J
1
7
9
6
3
28
15
14
48

Fig. 5.12.1.2 1st Version

Schematic Ref. No.	Part No.	Description
	BA06240A	**Display P.C.B. Ass'y (SR-2 (Canada) & SR-2A) 2nd Version**
	0B60380D	Display P.C.B.
IC951	0B11244A	IC LA1413N
IC952	0B11160A	IC TD6301A
Q951,953 954,955	0B10068A	TR DTC114ES
Q952	0B10053A	TR DTA144ES
Q956,957	0B10060A	TR DTA143ES
Q958	0B06013A	TR 2SA733 (P,Q)
D950	0B12385A	Display Unit
D951	0B06398A	SiD 1SS176
R951,954	0B09717A	RK 47K 1/6W J
R952	0B09677A	RK 1K 1/6W J
R953	0B09701A	RK 10K 1/6W J
R956,991	0B09650A	RK 75 1/6W J
R957	0B09644A	RK 43 1/6W J
R959,960 989,990	0B09654A	RK 110 1/6W J
R961-984	0B09661A	RK 220 1/6W J (24)
C951,952	0B40009A	CE 10μ 16V
C953	0B41554A	CC 0.022μ 25V Z
C954	0B41555A	CC 0.047μ 25V Z
F951	0B11248A	IC Protector ICP-N5
CN8	0B82796A	7P Connector 280mm
CN9	0B82797A	6P Connector 280mm
CN10	0B82798A	3P Connector 260mm
	0E00846A	BT3x8 ⊕Pan (2)
	BA06240A	**Display P.C.B. Ass'y (SR-2 (Canada) & SR-2A) 1st Version**
	0B60380A	Display P.C.B.
IC951	0B11244A	IC LA1413N
IC952	0B11160A	IC TD6301A
Q951,953 954,955	0B10068A	TR DTC114ES
Q952	0B10053A	TR DTA144ES
Q956,957	0B10060A	TR DTA143ES
Q958	0B06013A	TR 2SA733 (P,Q)
D950	0B12385A	Display Unit
D951	0B06398A	SiD 1SS176
R951,954	0B09717A	RK 47K 1/6W J
R952	0B09677A	RK 1K 1/6W J
R953	0B09701A	RK 10K 1/6W J
R956,991	0B09650A	RK 75 1/6W J
R957	0B09644A	RK 43 1/6W J
R959,960 989,990	0B09654A	RK 110 1/6W J
R961-984	0B09661A	RK 220 1/6W J (24)
C951,952	0B40009A	CE 10μ 16V
C953	0B41554A	CC 0.022μ 25V Z
F951	0B11248A	IC Protector ICP-N5
CN8	0B82796A	7P Connector 280mm
CN9	0B82797A	6P Connector 280mm
CN10	0B82798A	3P Connector 260mm
	0E00846A	BT3x8 ⊕Pan (2)

5.12.2. For SR-2 (Australia & Other) & SR-2E (Europe & Germany)

(1) 2nd Version

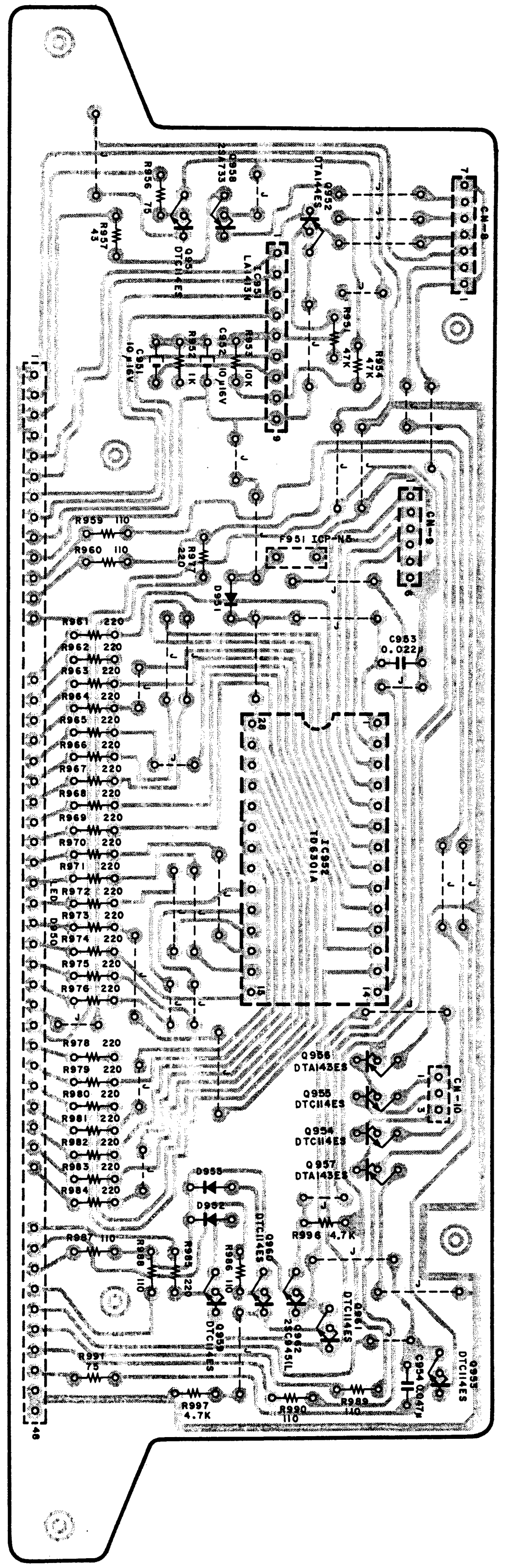

CN-8
CN-9
CN-10
IC951 LA1413N
IC952 TD6301A
Q951 DTC114ES
Q952 DTA144ES
Q958 2SA733
R956 75
R957 43
R951 47K
R954 47K
R952 1K
R953 10K
C951 10μ16V
C952 10μ16V
R959 110
R960 110
R977 220
F951 ICP-N5
D951
C953 0.022μ
R961 220
R962 220
R963 220
R964 220
R965 220
R966 220
R967 220
R968 220
R969 220
R970 220
R971 220
R972 220
R973 220
R974 220
R975 220
R976 220
R978 220
R979 220
R980 220
R981 220
R982 220
R983 220
R984 220
D950
Q956 DTA143ES
Q955 DTC114ES
Q954 DTC114ES
Q957 DTA143ES
D955
D952
R996 4.7K
R987 110
R988 110
R985 220
R986 110
Q960 DTC114ES
Q959 DTC114ES
Q962 2SC945L
Q961 DTC114ES
Q953 DTC114ES
C954 0.047μ
R991 75
R997 4.7K
R990 110
R989 110
J
1
7
9
14
15
46
50

Fig. 5.12.2.1 2nd Version

(2) 1st Version (For SR-2 (Australia & Other only))

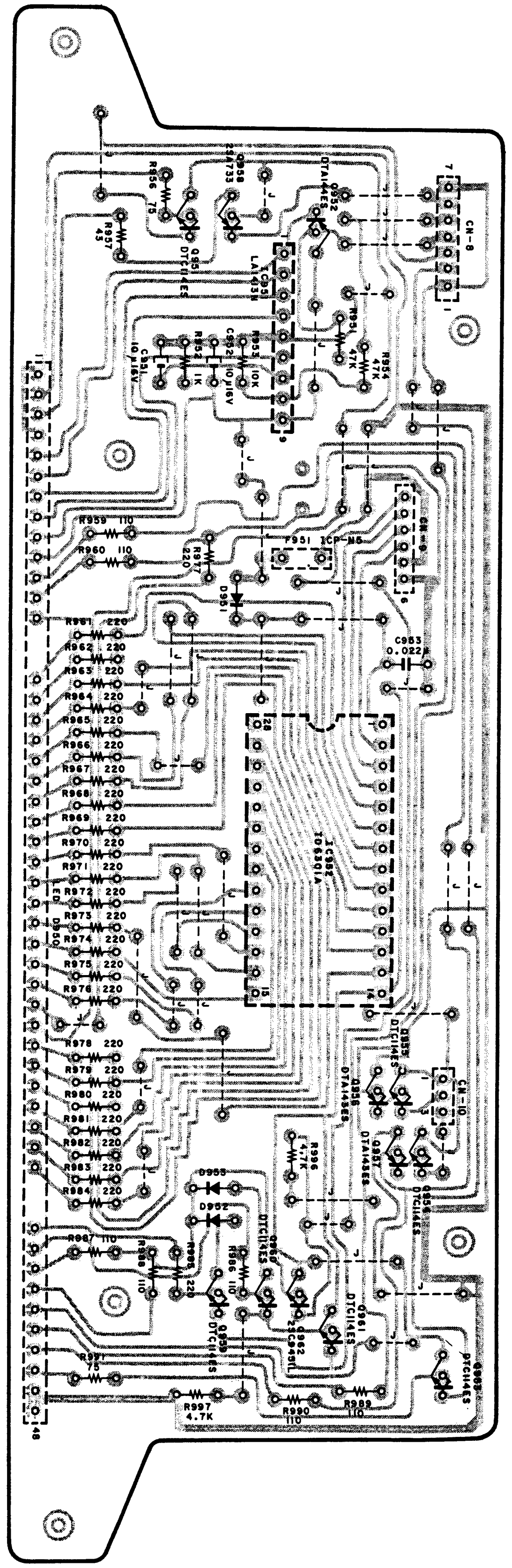

CN-8
CN-9
CN-10
IC951 LA1413N
IC952 TD6301A
Q951 DTC114ES
Q952 DTA144ES
Q958 2SA733
R956 75
R957 43
R951 47K
R954 47K
R952 1K
R953 10K
C951 10μ16V
C952 10μ16V
R959 110
R960 110
R977 220
F951 ICP-N5
D951
C953 0.022μ
R961 220
R962 220
R963 220
R964 220
R965 220
R966 220
R967 220
R968 220
R969 220
R970 220
R971 220
R972 220
R973 220
R974 220
R975 220
R976 220
R978 220
R979 220
R980 220
R981 220
R982 220
R983 220
R984 220
Q956 DTA143ES
Q955 DTC114ES
Q954 DTC114ES
Q957 DTA143ES
D953
D952
R996 4.7K
R987 110
R988 110
R985 220
R986 110
Q960 DTC114ES
Q959 DTC114ES
Q962 2SC945L
Q961 DTC114ES
Q953 DTC114ES
R991 75
R997 4.7K
R990 110
R989 110
J
46

Fig. 5.12.2.2 1st Version

Schematic Ref. No.	Part No.	Description
	BA06241A	**Display P.C.B. Ass'y (SR-2 (Australia & Other): 2nd Version) (SR-2E (Europe & Germany))**
	0B60380D	Display P.C.B.
IC951	0B11244A	IC LB1413N
IC952	0B11160A	IC TD6301A
Q951,953 954,955 959-961	0B10068A	TR DTC114ES (7)
Q952	0B10053A	TR DTA144ES
Q956,957	0B10060A	TR DTA143ES
Q958	0B06013A	TR 2SA733 (P,Q)
Q962	0B01872A	TR 2SC945L (P,Q)
D950	0B12385A	Display Unit
D951,952 953	0B06398A	SiD 1SS176
R951,954	0B09717A	RK 47K 1/6W J
R952	0B09677A	RK 1K 1/6W J
R953	0B09701A	RK 10K 1/6W J
R956,991	0B09650A	RK 75 1/6W J
R957	0B09644A	RK 43 1/6W J
R959,960 986-990	0B09654A	RK 110 1/6W J (7)
R961-985	0B09661A	RK 220 1/6W J (25)
R996,997	0B09693A	RK 4.7K 1/6W J
C951,952	0B40009A	CE 10μ 16V
C953	0B41554A	CC 0.022μ 25V Z
C954	0B41555A	CC 0.047μ 25V Z
F951	0B11248A	IC Protector ICP-N5
CN8	0B82796A	7P Connector 280mm
CN9	0B82797A	6P Connector 260mm
CN10	0B82798A	3P Connector 260mm
	0E00846A	BT3x8 ⊕Pan (2)
	BA06241A	**Display P.C.B. Ass'y (SR-2 (Australia & Other)): 1st Version**
	0B60380A	Display P.C.B.
IC951	0B11244A	IC LB1413N
IC952	0B11160A	IC TD6301A
Q951,953 954,955 959-961	0B10068A	TR DTC114ES (7)
Q952	0B10053A	TR DTA144ES
Q956,957	0B10060A	TR DTA143ES
Q958	0B06013A	TR 2SA733 (P,Q)
Q962	0B01872A	TR 2SC945L (P,Q)
D950	0B12385A	Display Unit
D951,952 953	0B06398A	SiD 1SS176
R951,954	0B09717A	RK 47K 1/6W J
R952	0B09677A	RK 1K 1/6W J
R953	0B09701A	RK 10K 1/6W J
R956,991	0B09650A	RK 75 1/6W J
R957	0B09644A	RK 43 1/6W J
R959,960 986-990	0B09654A	RK 110 1/6W J (7)
R961-985	0B09661A	RK 220 1/6W J (25)
R996,997	0B09693A	RK 4.7K 1/6W J
C951,952	0B40009A	CE 10μ 16V
C953	0B41554A	CC 0.022μ 25V Z
F951	0B11248A	IC Protector ICP-N5
CN8	0B82796A	7P Connector 280mm
CN9	0B82797A	6P Connector 260mm
CN10	0B82798A	3P Connector 260mm
	0E00846A	BT3x8 ⊕Pan (2)

5.13. Main P.C.B. Ass'y

5.13.1. For SR-2 (Canada) & SR-2A

(1) 2nd Version

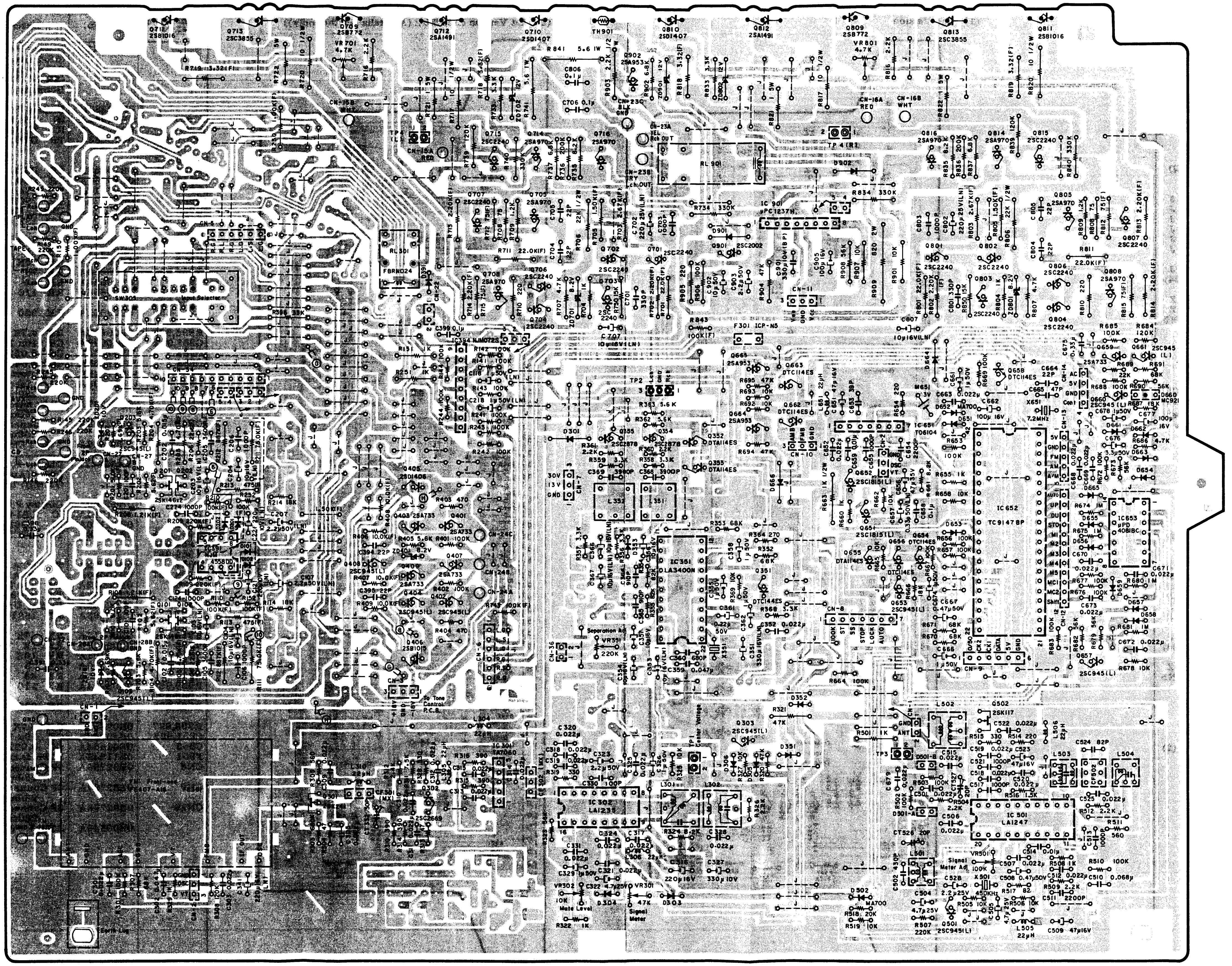


Fig. 5.13.1.1 2nd Version (For SR-2 (Canada) & SR-2A)

Schematic Ref. No.	Part No.	Description
	BA06234A	Main P.C.B. Ass'y (SR-2 (Canada) & SR-2A) 2nd Version
	— FM —	
IC301	0B11156A	IC TA7060AP
IC302	0B11157A	IC LA1235
Q301	0B10127A	FET 2SK241 (GR)
Q302	0B10174A	TR 2SC2669 (O,Y)
Q303	0B01872A	TR 2SC945L (P,O)
D303-306	0B06398A	SiD 1SS176 (4)
L301	0B51240A	FM Det. Coil A
L302	0B51241A	FM Det. Coil B
L304,305 306,310	0B51239A	Micro Coil 22μH
VR301	0B32084A	Semi VR 47K
VR302	0B32080A	Semi VR 10K
R301	0B09725A	RK 100K 1/6W J
R303	0B09745A	RK 680K 1/6W J
R304,313	0B09645A	RK 47 1/6W J
R305	0B09671A	RK 560 1/6W J
R307	0B09721A	RK 68K 1/6W J
R308	0B09727A	RK 120K 1/6W J
R310,314 315,316	0B09667A	RK 390 1/6W J
R311	0B09698A	RK 7.5K 1/6W J
R312	0B09686A	RK 2.4K 1/6W J
R319,328	0B09665A	RK 330 1/6W J
R320	0B09717A	RK 47K 1/6W J
R321	0B05641A	RK 47K 1/4W J
R322,329	0B09677A	RK 1K 1/6W J
R323	0B09719A	RK 56K 1/6W J
R324	0B09699A	RK 8.2K 1/6W J
R325,327	0B09701A	RK 10K 1/6W J
R326	0B09685A	RK 2.2K 1/6W J
CF301,302	0B41818A	Ceramic Filter SFE10.7MX2K-A
CT332	0B41614A	C Trimmer 30P
C301,303 305,309 310,311 313,314 315,318 319,320 321,324 325,328 331	0B41554A	CC 0.022μ 25V Z
C302	0B41294A	CMM 0.047μ 50V J
C312,317	0B41290A	CMM 0.022μ 50V J
C316	0B40079A	CE 220μ 16V
C322	0B01402A	CE 4.7μ 25V
C323	0B09372A	CE 2.2μ 50V
C326,329	0B01405A	CE 1μ 50V
C327	0B40066A	CE 330μ 10V
C330	0B41071A	CC 100P 50V J
C341	0B40420A	CE 220μ 16V (LN)
F301	0B11248A	IC Protector ICP-N5
FE301	0B91016A	Front-end FE407-A16
CN2	0B82792A	3P Connector W240
CN7	0B82795A	3P Connector 370
TP1	0B81634A	2P-T Post
	0E03355A	Earth Lug (1)
	— AM —	
IC501	0B11243A	IC LA1247
Q501	0B01872A	TR 2SC945L (P,Q)
Q502	0B06129A	FET 2SK117 (Y)
D501	0B12386A	Varicap KV1226Y
D502	0B12363A	SiD MA700
L501	0B51235A	Osc. Coil
L502	0B51236A	Ant. Coil
L503	0B51234A	IFT 2 AM
L504	0B51233A	IFT 1 AM
L505,506	0B51239A	Micro Coil 22μH
VR501	0B32086A	Semi VR 100K
R501	0B01857A	RK 1K 1/4W J
R502,503 510	0B09725A	RK 100K 1/6W J
R504,509 512	0B09685A	RK 2.2K 1/6W J
R505,506 519	0B09701A	RK 10K 1/6W J
R507	0B09733A	RK 220K 1/6W J
R508	0B09677A	RK 1K 1/6W J
R511	0B09671A	RK 560 1/6W J
R514	0B09661A	RK 220 1/6W J
R515	0B09665A	RK 330 1/6W J
R516	0B09681A	RK 1.5K 1/6W J
R517	0B09651A	RK 82 1/6W J
R518	0B09708A	RK 20K 1/6W J
CF502	0B41701A	Ceramic Filter SFZ450G3L
CT526,527	0B42005A	C Trimmer 20P
C501,506 507,512 515,518 519,520 522,525	0B41554A	CC 0.022μ 25V
C502	0B41401A	CP 430P 50V J
C504,505	0B01402A	CE 4.7μ 25V
C508	0B40111A	CE 0.47μ 50V
C509,523	0B01403A	CE 47μ 16V
C510	0B41296A	CMM 0.068μ 50V J
C511	0B09586A	CC 2200P 50V K
C513,517 521	0B09288A	CC 1000P 50V K
C514	0B41553A	CC 0.01μ 25V
C524	0B41711A	CC 82P 50V K
C528	0B09372A	CE 2.2μ 50V
X501	0B92003A	Crystal 450kHz BFU450C4N
CN1	0B82791A	2P Connector 250mm
TP3	0B81634A	2P-T Post
	— MPX —	
IC351	0B11245A	IC LA3400N
Q351	0B10062A	TR DTC144ES
Q352,353	0B10058A	TR DTA114ES
Q354,355	0B06299A	TR 2SC2878
D351,352 353	0B06398A	SiD 1SS176
L351,352	0B51237A	MPX Filter
VR351	0B32066A	Semi VR 220K
R352,353	0B09721A	RK 68K 1/6W J
R354,355	0B09723A	RK 82K 1/6W J
R356-359 368	0B09689A	RK 3.3K 1/6W J (5)
R360,361	0B09685A	RK 2.2K 1/6W J
R362,363	0B09695A	RK 5.6K 1/6W J
R364	0B09663A	RK 270 1/6W J
R369	0B09701A	RK 10K 1/6W J
C351	0B40418A	CE 330μ 16V (LN)
C352	0B41290A	CMM 0.022μ 50V J
C353,354 366,367	0B09816A	CE 10μ 16V (LN)
C355,358 362	0B01405A	CE 1μ 50V
C356,357	0B01412A	CE 10μ 16V
C359	0B41555A	CC 0.047μ 25V
C360	0B09287A	CC 680P 50V K
C361	0B40023A	CE 0.22μ 50V
C364,365	0B41409A	CP 910P 50V J
C368,369	0B41281A	CMM 3900P 50V J
X351	0B90172A	Ceramic Filter CSB456F11
TP2	0B81635A	3P-T Post
	— Sync. Cont. —	
IC651	0B11159A	IC TD6104
IC652	0B11161A	IC TC9147BP
IC653	0B06219A	IC μPD4081BC
Q651,652	0B10088A	TR 2SC1815L
Q653,657 660,661	0B01872A	TR 2SC945L (P,Q)
Q654,656 658,662 663	0B10068A	TR DTC114ES
Q655	0B10058A	TR DTA114ES
Q659	0B06013A	TR 2SA733 (P,Q)
Q664,665	0B06372A	TR 2SA953 (K,L)
D301,664 666	0B06181A	SiD 1SS53
D651 653-659 661,662 663,665	0B06398A	SiD 1SS176 (12)
D652	0B12363A	SiD MA700
D660	0B12100A	SiD MC921
L651	0B51239A	Micro Coil 22μH
X651	0B92006A	Crystal 7.2MHz
R653,656 657,664 667,669 672,676 677,683 685,688	0B09725A	RK 100K 1/6W J
R654	0B09661A	RK 220 1/6W J
R655,660	0B09677A	RK 1K 1/6W J
R658,662 665,678 692,693	0B09701A	RK 10K 1/6W J
R661	0B09699A	RK 8.2K 1/6W J
R663	0B24114A	RF 1K 1/2W J
R666,687	0B09707A	RK 18K 1/6W J
R670,671 691	0B09721A	RK 68K 1/6W J
R673,679 682,690	0B09719A	RK 56K 1/6W J
R674,675 680,681	0B09749A	RK 1M 1/6W J
R684	0B09727A	RK 120K 1/6W J
R686	0B09693A	RK 4.7K 1/6W J
R689	0B09709A	RK 22K 1/6W J
R694,695	0B09717A	RK 47K 1/6W J
C651	0B01403A	CE 47μ 16V
C652,663 668-673 679	0B41554A	CC 0.022μ 25V (9)
C653	0B41187A	CC 39P 50V J
C654	0B09586A	CC 2200P 50V K
C655	0B09288A	CC 1000P 50V K
C656	0B40103A	CE 47μ 35V
C657	0B09327A	CE 0.33μ 50V (LN)
C658	0B41298A	CMM 0.1μ 50V J
C659	0B41553A	CC 0.01μ 25V
C661,666 674,678	0B01405A	CE 1μ 50V
C662,677	0B01400A	CE 100μ 16V
C664	0B41708A	CC 22P 50V J
C665	0B41709A	CC 47P 50V J
C667	0B40111A	CE 0.47μ 50V
C675	0B41304A	CMM 0.33μ 50V J
C676	0B01863A	CE 3.3μ 50V
M651	0B90200B	Lithium Battery 3V CR2430-FT4-1
CN8	0B81639A	7P-T Post
CN9	0B81638A	6P-T Post
CN10	0B81635A	3P-T Post
CN12	0B81644A	12P-T Post
CN13	0B81637A	5P-T Post
CN14	0B82802A	4P Connector
	— Eq. Amp. —	
IC391	0B06146A	IC NJM4558DD
Q101,102 201,202	0B10195A	FET 2SK146 (BL,V)
Q103,203	0B01872A	TR 2SC945L (P,Q)
ZD101,201	0B12168A	ZD 10V RD10JS-T1B2
D101,102 201,202	0B06398A	SiD 1SS176
R101,201	0B22423A	RM 51.0K 1/6W F
R102,202	0B22684A	RM 5.62 1/4W F
R103,203	0B09695A	RK 5.6K 1/6W J
R104,105 204,205	0B09356A	RM 4.7K 1/4W F
R106,206	0B22039A	RM 22.6 1/6W F
R107,207	0B22253A	RM 1.69K 1/6W F
R108,208	0B22635A	RM 1.21K 1/4W F
R109,209	0B22493A	RM 220K 1/6W F
R110,152 210,252	0B22457A	RM 100K 1/6W F
R111,211	0B09562A	RM 75.0K 1/4W F
R112,212	0B22641A	RM 887K 1/4W F
R113,213	0B22576A	RM 475 1/4W F
R114,214	0B09707A	RK 18K 1/6W J
C101,201	0B41703A	CSP 100P 50V J
C102,202	0B41585A	CM 0.015μ 100V J
C103,104 203,204	0B09816A	CE 10μ 16V (LN)
C105,205	0B41238A	CP 3600P 100V J
C106,124 206,224	0B41225A	CP 1000P 100V J
C107,207	0B09933A	CE 2.2μ 50V (LN)
C121,221	0B40422A	CE 220μ 10V (LN)
C391,396	0B41304A	CMM 0.33μ 50V J
CN34	0B82862A	10P Connector
	BA06355A	Eq. Sub P.C.B. Ass'y
	— Power Supply —	
Q401,403 407,409	0B06013A	TR 2SA733 (P,Q)
Q402,404 408	0B01872A	TR 2SC945L (P,Q)
Q405	0B06452A	TR 2SD1406 (Y)
Q406	0B06451A	TR 2SB1015 (Y)
ZD401	0B12162A	ZD 8.2V RD8.2JS-T1B2
R401,402	0B09725A	RK 100K 1/6W J
R403,404	0B09669A	RK 470 1/6W J
R405	0B09695A	RK 5.6K 1/6W J
R406,407 408,409	0B22343A	RM 10.0K 1/6W F
C394,395	0B41507A	C 22P 50V J
CN3	0B81635A	3P-T Post
GJ	0B82135B	PD Connector V130
HJ	0B82215A	PD Connector V090
	0B08680B	Heat Sink A (2)
	0E00972A	Nut Hex. M3 (2)
	0E03319A	M3x8 ⊕ Binding (2)
	— Tuner Buffer —	
IC394	0B11070A	IC NJM072S
R141-144 241-244	0B01889A	RK 100K 1/4W J (8)
R151,251	0B01857A	RK 1K 1/4W J
C118,218	0B09814A	CE 1μ 50V (LN)
	— Input Sel. —	
D391	0B06398A	SiD 1SS176
R145,146 149,245 246,249	0B09733A	RK 220K 1/6W J
R150,250	0B22229A	RM 1.00K 1/6W F
R396	0B05509A	RK 33K 1/4W J
C399	0B41298A	CMM 0.1μ 50V J
RL301	0B90204A	Relay FBR42ND024P
SW305	0B70082A	Rotary Slide Switch 4-4
CN5,6	0B81013A	Dip Mate 6P
CN22	0B81002A	Dip Mate 2P
CN27A	0B82750A	PD Connector V80
CN27B 28B,32	0B82751A	PD Connector V80
CN28A	0B82752A	PD Connector V80
	0B81020A	2P Pin Jack (1)
	0B81593A	4P Pin Jack (2)
	0B82733B	Ribbon Cable 6P (1)
	— Protector —	
IC901	0B11246A	IC μPC1237H
Q714,716 814,816	0B10050A	TR 2SA970 (BL)
Q715,815	0B06142A	TR 2SC2240 (BL)
Q901	0B06322A	TR 2SC2002 (K,L)
Q902	0B06372A	TR 2SA953 (K,L)
ZD702,802 901	0B06123A	ZD 12V RD12EB3
D901,902	0B06181A	SiD 1SS53
R733,833	0B01681A	RK 3.3K 1/4W J
R734,740 834,840	0B05627A	RK 330K 1/4W J
R735,835	0B01856A	RK 8.2K 1/4W J
R736,836	0B09392A	RK 200K 1/4W J
R737,837 902	0B01682A	RK 6.8K 1/4W J
R739,839	0B05621A	RK 120K 1/4W J
R901,907	0B01888A	RK 10K 1/4W J
R903	0B24113A	RF 2.2K 1/2W J
R904	0B05641A	RK 47K 1/4W J
R905	0B01933A	RK 220 1/4W J
R906	0B01889A	RK 100K 1/4W J
R908	0B05508A	RK 56K 1/4W J
R909	0B24106A	RF 820 2W J
C901	0B40408A	CE 330μ 10V (BP)
C902	0B40116A	CE 10μ 50V
C903	0B09372A	CE 2.2μ 50V
C905	0B01400A	CE 100μ 16V
RL901	0B90199A	Relay 24V
CN11	0B82799A	3P Connector
	— Power Amp. —	
Q701-704 706,707 801-804 806,807	0B06142A	TR 2SC2240 (BL) (12)
Q705,708 805,808	0B10050A	TR 2SA970 (BL)
ZD701,801	0B12162A	ZD 8.2V RD8.2JSB2
VR701,801	0B32078A	Semi VR 4.7K
R701,711 801,811	0B09441A	RM 22K 1/4W F
R702,713 714,802 813,814	0B09420A	RM 2.2K 1/4W F
R703,803	0B09421A	RM 2.67K 1/4W F
R704,804	0B01857A	RK 1K 1/4W J
R705,805	0B09230A	RM 1.5K 1/4W F
R706,806	0B24111A	RF 22K 1/2W J
R707,807	0B01846A	RK 4.7K 1/4W J
R708,808	0B05959A	RK 75 1/4W J
R709,809	0B05623A	RK 1.2K 1/4W J
R710,810	0B01933A	RK 220 1/4W J
R712,715 812,815	0B22632A	RM 75 1/4W F
R716,816	0B05622A	RK 2.2K 1/4W J
R717,720 817,820	0B24110A	RF 10 1/2W J
R718,719 818,819	0B22700A	RM 3.32 1/4W F
R721,722 821,822	0B24094A	RC 1 5W K
R741,841	0B24112A	RF 5.6 1W J
R743,843	0B22457A	RM 100K 1/6W F
R750,850	0B01683A	RK 15K 1/4W J
C701,801	0B41213A	CP 330P 100V J
C702,802	0B40421A	CE 220μ 25V (LN)
C703,803	0B41225A	CP 1000P 100V J
C704,705 804,805	0B41702A	CSP 22P 50V J
C706,806	0B41594A	CM 0.1μ 100V J
C707,807	0B09816A	CE 10μ 16V (LN)
TP4L,4R	0B81634A	2P-T Post
	— Miscellaneous —	
	0B60377F	Main P.C.B.
Q709,809	0B06303A	TR 2SB772 (P,Q)
Q710,810	0B10121A	TR 2SD1407
Q711,811	0B10120A	TR 2SB1016
Q712,812	0B10177A	TR 2SA1491 (P,Y,G)
Q713,813	0B10179A	TR 2SC3855 (P,Y,G)
TH901	0B19004A	Thermistor 50KD-5
	0B90201A	Insulator (2)
	0B82748B	PD Connector V300 (1)
	0E00868A	BT3x8 ⊕Binding(4)
	0E03138A	M3x10 ⊕Binding(10)
	0J05198A	Heat Sink (1)
	0J05205A	Heat Sink Holder A (1)
	0J05207A	Main P.C.B. Holder (1)
	0J05212C	Thermistor Holder (1)
	0E00607A	M3x8 ⊕Pan (3A) (2)
	0B81596A	Antenna Terminal (1)
	0B90019A	Insu-Lock SKB80 (1)

Schematic Ref. No.	Part No.	Description
	BA06355A	Eq. Sub P.C.B. Ass'y
	0B60394B	Eq. Sub P.C.B.
Q106,206	0B06299A	TR 2SC2878
Q107	0B10050A	TR 2SA970 (BL)
Q391	0B01872A	TR 2SC945L (P,Q)
ZD103	0B12321A	ZD 15V MTZ15C
R156,256	0B09677A	RK 1K 1/6W J
R157,257	0B09749A	RK 1M 1/6W J
R158,159 392,393	0B09725A	RK 100K 1/6W J
R160	0B09737A	RK 330K 1/6W J
R391	0B09681A	RK 1.5K 1/6W J
C393	0B40024A	CE 0.33μ 50V
CN34	0B81631A	10P Connector

5.14. Eq. Sub P.C.B. Ass'y

Note: This P.C.B. Ass'y is included in the Eq. Amp. section of the Main P.C.B. Ass'y.

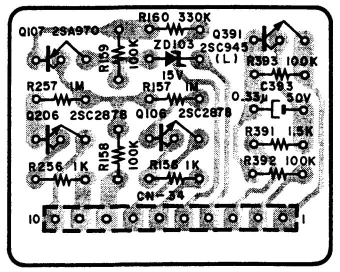


Fig. 5.14

(2) 1st Version

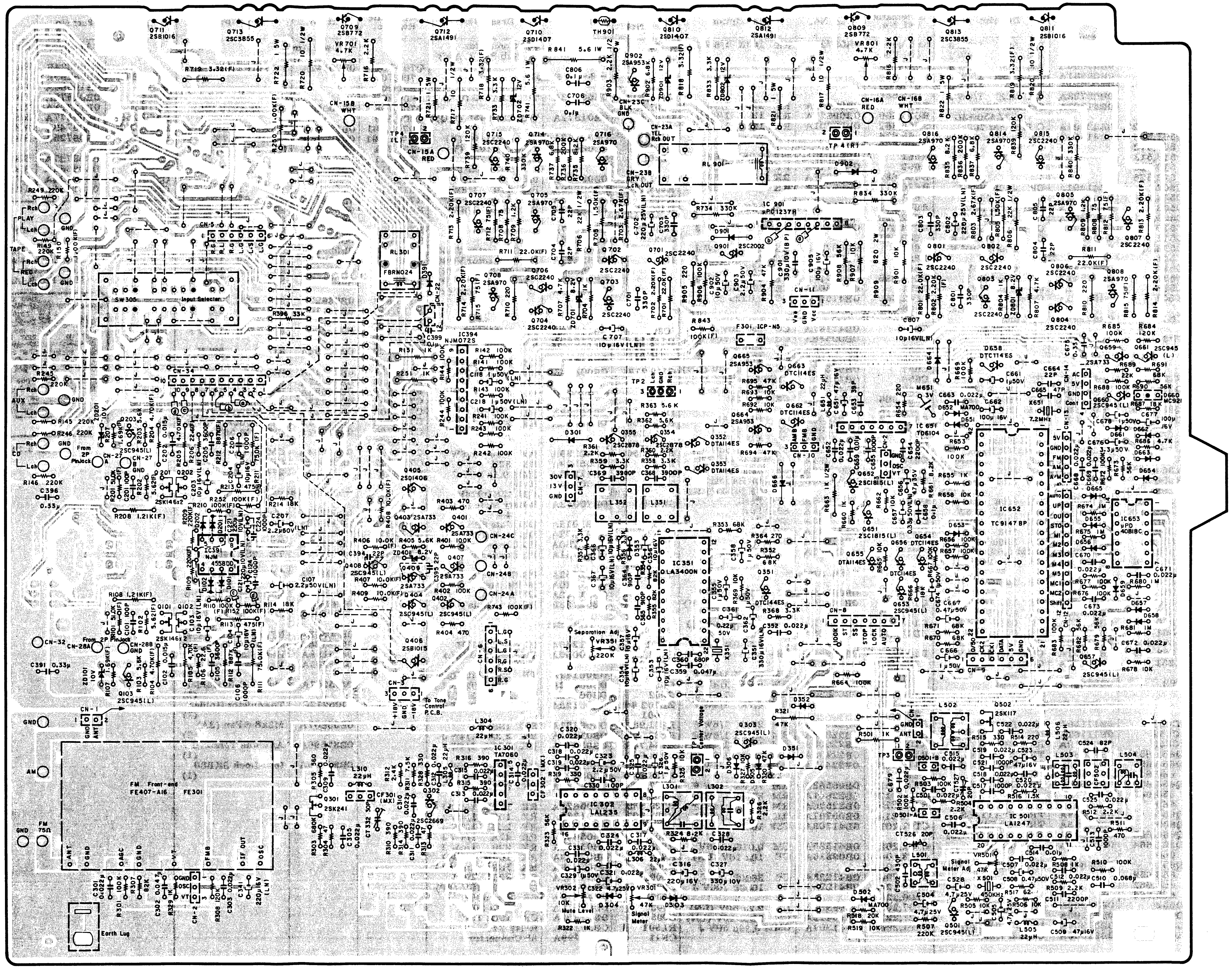

Q711 2SB1016
Q713 2SC3855
Q709 2SB772
Q712 2SA1491
Q710 2SD1407
TH901
Q810 2SD1407
Q812 2SA1491
Q809 2SB772
Q813 2SC3855
Q811 2SB1016
VR701 4.7K
VR801 4.7K
R841 5.6 1W
R719 3.32(F)
CN-15B WHT
CN-15A RED
CN-16A RED
CN-16B WHT
CN-23C BLK GND
CN-23A YEL Rch OUT
CN-23B GRY Lch OUT
RL901
TP4 (L)
TP4 (R)
D902
R834 330K
R734 330K
IC 901 µPC1237B
D901
Q901 2SC2002
F301 ICP-N5
RL301 FBRN024
SW305 Input Selector
R396 33K
IC394 NJM072S
R249 220K
Rch PLAY Lch
TAPE
REC
GND
AUX
CD
From 2P PinJack
R145 220K
R146 220K
R245 220K
R246 220K
C396 0.33µ
R208 1.21K(F)
IC391 NJM 4558DD
CN-32
CN-28A
CN-28B
C391 0.33µ
Q103 2SC945(L)
Q405 2SD1406
Q406 2SB1015
Q403 2SA733
Q401
CN-24C
CN-24B
CN-24A
CN-6
CN-3
To Tone Control P.C.B.
Separation Adj
VR351 220K
IC351 LA3400N
L352
L351
TP2
D301
IC 651 TD6104
IC 652 TC9147BP
IC653 µPD 4081BC
X651 7.2MHz
M651 3V
CN-14
CN-5
CN-8
CN-10
CN-2
AUTO UP DN STO M1 M2 M3 M4 M5 MC1 MC2 Shift
ST SS STOP LOCK AUTO
GND
AM
FM 75Ω
CN-1
FM Front-end FE407-A16 FE301
ANT AGC IF OUT OSC
Earth Lug
L304 22µH
IC301 TA7060
IC302 LA1235
L301
L302
L310 22µH
Q301 2SK241
Q302 2SC2669
CF301 (MX)
CT332
Center Voltage
Q303 2SC945(L)
D351
D352
L502
Q502 2SK117
L506 22µH
L503
L504
TP3
IC 501 LA1247
Signal Meter Adj
VR501
X501 450KHz
L501
L505 22µH
Q501 2SC945(L)
D502 MA700
VR302 10K Mute Level
VR301 47K Signal Meter
D304
D303
R322 1K
CN-4
CN-7
30V 13V GND

Fig. 5.13.1.2 1st Version (For SR-2 (Canada) & SR-2A)

Schematic Ref. No.	Part No.	Description
	BA06234A	Main P.C.B. Ass'y (SR-2 (Canada) & SR-2A) 1st Version
	— FM —	
IC301	0B11156A	IC TA7060AP
IC302	0B11157A	IC LA1235
Q301	0B10127A	FET 2SK241 (GR)
Q302	0B10174A	TR 2SC2669 (O,Y)
Q303	0B01872A	TR 2SC945L (P,O)
D303-306	0B06398A	SiD 1SS176 (4)
L301	0B51240A	FM Det. Coil A
L302	0B51241A	FM Det. Coil B
L304,305 306,310	0B51239A	Micro Coil 22μH
VR301	0B32084A	Semi VR 47K
VR302	0B32080A	Semi VR 10K
R301	0B09725A	RK 100K 1/6W J
R303	0B09745A	RK 680K 1/6W J
R304,313	0B09645A	RK 47 1/6W J
R305	0B09671A	RK 560 1/6W J
R307	0B09723A	RK 82K 1/6W J
R308	0B09727A	RK 120K 1/6W J
R310,314 315,316	0B09667A	RK 390 1/6W J
R311	0B09698A	RK 7.5K 1/6W J
R312	0B09686A	RK 2.4K 1/6W J
R319,328	0B09665A	RK 330 1/6W J
R320	0B09717A	RK 47K 1/6W J
R321	0B05641A	RK 47K 1/4W J
R322,329	0B09677A	RK 1K 1/6W J
R323	0B09719A	RK 56K 1/6W J
R324	0B09699A	RK 8.2K 1/6W J
R325,327	0B09701A	RK 10K 1/6W J
R326	0B09685A	RK 2.2K 1/6W J
CF301,302	0B41700A	Ceramic Filter SFE10.7MX2H-A
CT332	0B41614A	C Trimmer 30P
C301,303 305,309 310,311 313,314 315,318 319,320 321,324 325,328 331	0B41554A	CC 0.022μ 25V Z
C302	0B41294A	CMM 0.047μ 50V J
C312,317	0B41290A	CMM 0.022μ 50V J
C316	0B40079A	CE 220μ 16V
C322	0B01402A	CE 4.7μ 25V
C323	0B09372A	CE 2.2μ 50V
C326,329	0B01405A	CE 1μ 50V
C327	0B40066A	CE 330μ 10V
C330	0B41071A	CC 100P 50V J
C341	0B40420A	CE 220μ 16V (LN)
F301	0B11248A	IC Protector ICP-N5
FE301	0B91016A	Front-end FE407-A16
CN2	0B82792A	3P Connector W240
CN7	0B82795A	3P Connector 370
TP1	0B81634A	2P-T Post
	0E03355A	Earth Lug (1)
	— AM —	
IC501	0B11243A	IC LA1247
Q501	0B01872A	TR 2SC945L (P,Q)
Q502	0B06129A	FET 2SK117 (Y)
D501	0B12386A	Varicap KV1226Y
D502	0B12363A	SiD MA700
L501	0B51235A	Osc. Coil
L502	0B51236A	Ant. Coil
L503	0B51234A	IFT 2 AM
L504	0B51233A	IFT 1 AM
L505,506	0B51239A	Micro Coil 22μH
VR501	0B32084A	Semi VR 47K
R501	0B01857A	RK 1K 1/4W J
R502,503 510	0B09725A	RK 100K 1/6W J
R504,509 512	0B09685A	RK 2.2K 1/6W J
R505,506 519	0B09701A	RK 10K 1/6W J
R507	0B09733A	RK 220K 1/6W J
R508	0B09677A	RK 1K 1/6W J

Schematic Ref. No.	Part No.	Description
R511	0B09669A	RK 470 1/6W J
R514	0B09661A	RK 220 1/6W J
R515	0B09665A	RK 330 1/6W J
R516	0B09681A	RK 1.5K 1/6W J
R517	0B09648A	RK 62 1/6W J
R518	0B09708A	RK 20K 1/6W J
CF502	0B41701A	Ceramic Filter SFZ450G3L
CT526,527	0B42005A	C Trimmer 20P
C501,506 507,512 515,518 519,520 522,525	0B41554A	CC 0.022μ 25V
C502	0B41401A	CP 430P 50V J
C504,505 528	0B01402A	CE 4.7μ 25V
C508	0B40111A	CE 0.47μ 50V
C509,523	0B01403A	CE 47μ 16V
C510	0B41296A	CMM 0.068μ 50V J
C511	0B09586A	CC 2200P 50V K
C513,517 521	0B09288A	CC 1000P 50V K
C514	0B41553A	CC 0.01μ 25V
C524	0B41711A	CC 82P 50V K
X501	0B92003A	Crystal 450kHz BFU450C4N
CN1	0B82791A	2P Connector 250mm
TP3	0B81634A	2P-T Post
	— MPX —	
IC351	0B11245A	IC LA3400N
Q351	0B10062A	TR DTC144ES
Q352,353	0B10058A	TR DTA114ES
Q354,355	0B06299A	TR 2SC2878
D351,352 353	0B06398A	SiD 1SS176
L351,352	0B51237A	MPX Filter
VR351	0B32066A	Semi VR 220K
R352,353	0B09721A	RK 68K 1/6W J
R354,355	0B09723A	RK 82K 1/6W J
R356-359 368	0B09689A	RK 3.3K 1/6W J (5)
R360,361	0B09685A	RK 2.2K 1/6W J
R362,363	0B09695A	RK 5.6K 1/6W J
R364	0B09663A	RK 270 1/6W J
R369	0B09701A	RK 10K 1/6W J
C351	0B40418A	CE 330μ 16V (LN)
C352	0B41290A	CMM 0.022μ 50V J
C353,354 366,367	0B09816A	CE 10μ 16V (LN)
C355,358 362	0B01405A	CE 1μ 50V
C356,357	0B01412A	CE 10μ 16V
C359	0B41555A	CC 0.047μ 25V
C360	0B09287A	CC 680P 50V K
C361	0B40023A	CE 0.22μ 50V
C364,365	0B41409A	CP 910P 50V J
C368,369	0B41281A	CMM 3900P 50V J
X351	0B90172A	Ceramic Filter CSB456F11
TP2	0B81635A	3P-T Post
	— Sync. Cont. —	
IC651	0B11159A	IC TD6104
IC652	0B11161A	IC TC9147BP
IC653	0B06219A	IC μPD4081BC
Q651,652	0B10088A	TR 2SC1815L
Q653,657 660,661	0B01872A	TR 2SC945L (P,Q)
Q654,656 658,662 663	0B10068A	TR DTC114ES
Q655	0B10058A	TR DTA114ES
Q659	0B06013A	TR 2SA733 (P,Q)
Q664,665	0B06372A	TR 2SA953 (K,L)
D301,664 666	0B06181A	SiD 1SS53
D651 653-659 661,662 663,665	0B06398A	SiD 1SS176 (12)
D652	0B12363A	SiD MA700
D660	0B12100A	SiD MC921
L651	0B51239A	Micro Coil 22μH
X651	0B92006A	Crystal 7.2MHz

Schematic Ref. No.	Part No.	Description
R653,656 657,664 667,669 672,676 677,683 685,688	0B09725A	RK 100K 1/6W J
R654	0B09661A	RK 220 1/6W J
R655,660	0B09677A	RK 1K 1/6W J
R658,662 665,678 692,693	0B09701A	RK 10K 1/6W J
R661	0B09699A	RK 8.2K 1/6W J
R663	0B24114A	RF 1K 1/2W J
R666,687	0B09707A	RK 18K 1/6W J
R670,671 691	0B09721A	RK 68K 1/6W J
R673,679 682,690	0B09719A	RK 56K 1/6W J
R674,675 680,681	0B09749A	RK 1M 1/6W J
R684	0B09727A	RK 120K 1/6W J
R686	0B09693A	RK 4.7K 1/6W J
R689	0B09709A	RK 22K 1/6W J
R694,695	0B09717A	RK 47K 1/6W J
C651	0B01403A	CE 47μ 16V
C652,663 668-673 679	0B41554A	CC 0.022μ 25V (9)
C653	0B41187A	CC 39P 50V J
C654	0B09586A	CC 2200P 50V K
C655	0B09288A	CC 1000P 50V K
C656	0B40103A	CE 47μ 35V
C657	0B09327A	CE 0.33μ 50V (LN)
C658	0B41298A	CMM 0.1μ 50V J
C659	0B41553A	CC 0.01μ 25V
C661,666 674,678	0B01405A	CE 1μ 50V
C662,677	0B01400A	CE 100μ 16V
C664	0B41708A	CC 22P 50V J
C665	0B41709A	CC 47P 50V J
C667	0B40111A	CE 0.47μ 50V
C675	0B41304A	CMM 0.33μ 50V J
C676	0B01863A	CE 3.3μ 50V
M651	0B90200B	Lithium Battery 3V CR2430-FT4-1
CN8	0B81639A	7P-T Post
CN9	0B81638A	6P-T Post
CN10	0B81635A	3P-T Post
CN12	0B81644A	12P-T Post
CN13	0B81637A	5P-T Post
CN14	0B82802A	4P Connector
	— Eq. Amp. —	
IC391	0B06146A	IC NJM4558DD
Q101,102 201,202	0B10195A	FET 2SK146 (BL,V)
Q103,203	0B01872A	TR 2SC945L (P,Q)
ZD101,201	0B12168A	ZD 10V RD10JS-T1B2
D101,102 201,202	0B06398A	SiD 1SS176
R101,201	0B22423A	RM 51.0K 1/6W F
R102,202	0B22684A	RM 5.62 1/4W F
R103,203	0B09695A	RK 5.6K 1/6W J
R104,105 204,205	0B09356A	RM 4.7K 1/4W F
R106,206	0B22039A	RM 22.6 1/6W F
R107,207	0B22253A	RM 1.69K 1/6W F
R108,208	0B22635A	RM 1.21K 1/4W F
R109,209	0B22493A	RM 220K 1/6W F
R110,152 210,252	0B22457A	RM 100K 1/6W F
R111,211	0B09562A	RM 75.0K 1/4W F
R112,212	0B22641A	RM 887K 1/4W F
R113,213	0B22576A	RM 475 1/4W F
R114,214	0B09707A	RK 18K 1/6W J
C101,201	0B41703A	CSP 100P 50V J
C102,202	0B41585A	CM 0.015μ 100V J
C103,104 203,204	0B09816A	CE 10μ 16V (LN)
C105,205	0B41238A	CP 3600P 100V J
C106,124 206,224	0B41225A	CP 1000P 100V J
C107,207	0B09933A	CE 2.2μ 50V (LN)
C121,221	0B40422A	CE 220μ 10V (LN)
C391,396	0B41304A	CMM 0.33μ 50V J

Schematic Ref. No.	Part No.	Description
CN34	0B82862A	10P Connector
	BA06355A	Eq. Sub P.C.B. Ass'y
	— Power Supply —	
Q401,403 407,409	0B06013A	TR 2SA733 (P,Q)
Q402,404 408	0B01872A	TR 2SC945L (P,Q)
Q405	0B06452A	TR 2SD1406 (Y)
Q406	0B06451A	TR 2SB1015 (Y)
ZD401	0B12162A	ZD 8.2V RD8.2JS-T1B2
R401,402	0B09725A	RK 100K 1/6W J
R403,404	0B09669A	RK 470 1/6W J
R405	0B09695A	RK 5.6K 1/6W J
R406,407 408,409	0B22343A	RM 10.0K 1/6W F
C394,395	0B41507A	C 22P 50V J
CN3	0B81635A	3P-T Post
	0B08680B	Heat Sink A (2)
	0E00972A	Nut Hex. M3 (2)
	0E03319A	M3x8 ⊕ Binding (2)
	— Tuner Buffer —	
IC394	0B11070A	IC NJM072S
R141-144 241-244	0B01889A	RK 100K 1/4W J (8)
R151,251	0B01857A	RK 1K 1/4W J
C118,218	0B09814A	CE 1μ 50V (LN)
	— Input Sel. —	
D391	0B06398A	SiD 1SS176
R145,146 149,245 246,249	0B09733A	RK 220K 1/6W J
R150,250	0B22229A	RM 1.00K 1/6W F
R396	0B05509A	RK 33K 1/4W J
C399	0B41298A	CMM 0.1μ 50V J
RL301	0B90204A	Relay FBR42ND024P
SW305	0B70082A	Rotary Slide Switch 4-4
CN5,6	0B81013A	Dip Mate 6P
CN22	0B81002A	Dip Mate 2P
CN27A	0B82750A	PD Connector V80
CN27B 28B,32	0B82751A	PD Connector V80
CN28A	0B82752A	PD Connector V80
	0B81020A	2P Pin Jack (1)
	0B81593A	4P Pin Jack (2)
	0B82733B	Ribbon Cable 6P (1)
	— Protector —	
IC901	0B11246A	IC μPC1237H
Q714,716 814,816	0B10050A	TR 2SA970 (BL)
Q715,815	0B06142A	TR 2SC2240 (BL)
Q901	0B06322A	TR 2SC2002 (K,L)
Q902	0B06372A	TR 2SA953 (K,L)
ZD702,802 901	0B06123A	ZD 12V RD12EB3
D901,902	0B06181A	SiD 1SS53
R733,833	0B01681A	RK 3.3K 1/4W J
R734,740 834,840	0B05627A	RK 330K 1/4W J
R735,835	0B01856A	RK 8.2K 1/4W J
R736,836	0B09392A	RK 200K 1/4W J
R737,837 902	0B01682A	RK 6.8K 1/4W J
R739,839	0B05621A	RK 120K 1/4W J
R901,907	0B01888A	RK 10K 1/4W J
R903	0B24113A	RF 2.2K 1/2W J
R904	0B05641A	RK 47K 1/4W J
R905	0B01933A	RK 220 1/4W J
R906	0B01889A	RK 100K 1/4W J
R908	0B05508A	RK 56K 1/4W J
R909	0B24106A	RF 820 2W J
C901	0B40408A	CE 330μ 10V (BP)
C902	0B40116A	CE 10μ 50V
C903	0B09372A	CE 2.2μ 50V
C905	0B01400A	CE 100μ 16V
RL901	0B90199A	Relay 24V
CN11	0B82799A	3P Connector

Schematic Ref. No.	Part No.	Description
	— Power Amp. —	
Q701-704 706,707 801-804 806,807	0B06142A	TR 2SC2240 (BL) (12)
Q705,708 805,808	0B10050A	TR 2SA970 (BL)
ZD701,801	0B06418A	ZD 8.2V RD8.2JB2
VR701,801	0B32078A	Semi VR 4.7K
R701,711 801,811	0B09441A	RM 22K 1/4W F
R702,713 714,802 813,814	0B09420A	RM 2.2K 1/4W F
R703,803	0B09421A	RM 2.67K 1/4W F
R704,804	0B01857A	RK 1K 1/4W J
R705,805	0B09230A	RM 1.5K 1/4W F
R706,806	0B24111A	RF 22K 1/2W J
R707,807	0B01846A	RK 4.7K 1/4W J
R708,808	0B05959A	RK 75 1/4W J
R709,809	0B05623A	RK 1.2K 1/4W J
R710,810	0B01933A	RK 220 1/4W J
R712,715 812,815	0B22632A	RM 75 1/4W F
R716,816	0B05622A	RK 2.2K 1/4W J
R717,720 817,820	0B24110A	RF 10 1/2W J
R718,719 818,819	0B22700A	RM 3.32 1/4W F
R721,722 821,822	0B24094A	RC 1 5W K
R741,841	0B24112A	RF 5.6 1W J
R743,843	0B22457A	RM 100K 1/6W F
C701,801	0B41213A	CP 330P 100V J
C702,802	0B40421A	CE 220μ 25V (LN)
C703,803	0B41225A	CP 1000P 100V J
C704,705 804,805	0B41702A	CSP 22P 50V J
C706,806	0B41594A	CM 0.1μ 100V J
C707,807	0B09816A	CE 10μ 16V (LN)
TP4L,4R	0B81634A	2P-T Post
	— Miscellaneous —	
	0B60377A	Main P.C.B.
Q709,809	0B06303A	TR 2SB772 (P,Q)
Q710,810	0B10121A	TR 2SD1407
Q711,811	0B10120A	TR 2SB1016
Q712,812	0B10177A	TR 2SA1491 (P,Y,G)
Q713,813	0B10179A	TR 2SC3855 (P,Y,G)
TH901	0B19004A	Thermistor 50KD-5
	0B90201A	Insulator (2)
	0B90210A	Insu-Lock (3)
	0E00868A	BT3x8 ⊕Pan (7)
	0E03138A	M3x10 ⊕Pan (Nickel) (10)
	0J05198A	Heat Sink (1)
	0J05205A	Heat Sink Holder A (1)
	0J05207A	Main P.C.B. Holder (2)
	0J05212C	Thermistor Holder (1)
	0E00606A	M3x6·⊕Pan (3A) (2)
	0B81596A	Antenna Terminal (1)
	0B90019A	Insu-Lock SKB80 (1)

Schematic Ref. No.	Part No.	Description
	BA06355A	Eq. Sub P.C.B. Ass'y
	0B60394B	Eq. Sub P.C.B.
Q106,206	0B06299A	TR 2SC2878
Q107	0B10050A	TR 2SA970 (BL)
Q391	0B01872A	TR 2SC945L (P,Q)
ZD103	0B12321A	ZD 15V MTZ15C
R156,256	0B09677A	RK 1K 1/6W J
R157,257	0B09749A	RK 1M 1/6W J
R158,159 392,393	0B09725A	RK 100K 1/6W J
R160	0B09737A	RK 330K 1/6W J
R391	0B09681A	RK 1.5K 1/6W J
C393	0B40024A	CE 0.33μ 50V
CN34	0B81631A	10P Connector

5.14. Eq. Sub P.C.B. Ass'y

Note: This P.C.B. Ass'y is included in the Eq. Amp. section of the Main P.C.B. Ass'y.

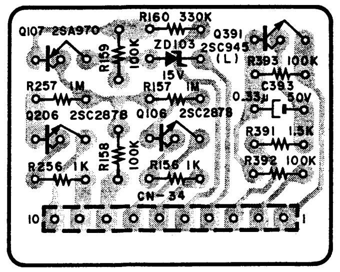


Fig. 5.14

5.13.2. For SR-2 (Other & Australia)

(1) 2nd Version

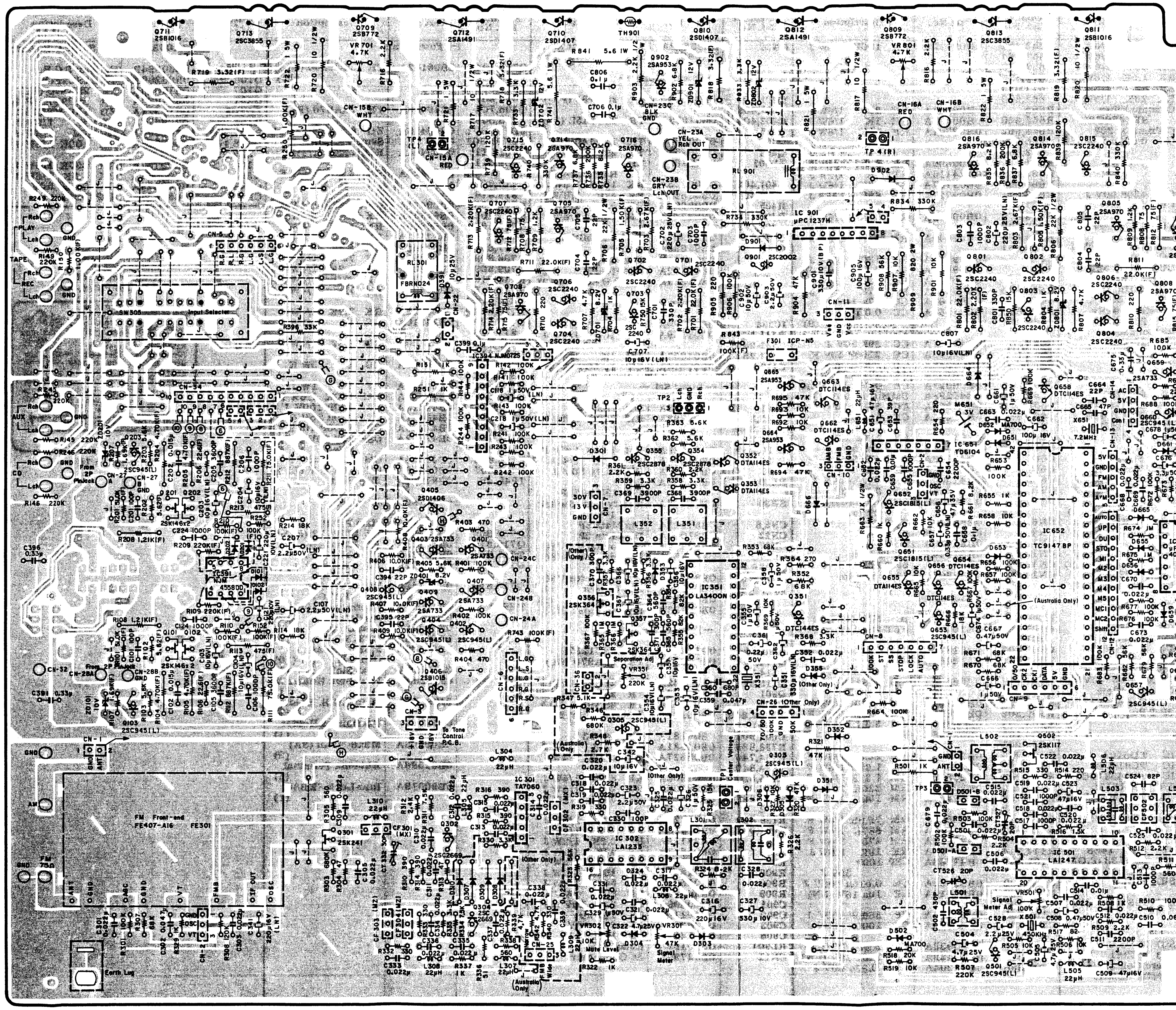

Q711 2SB1016
Q713 2SC3855
Q709 2SB772
VR701 4.7K
Q712 2SA1491
Q710 2SD1407
TH901
Q810 2SD1407
Q812 2SA1491
Q809 2SB772
VR801 4.7K
Q813 2SC3855
Q811 2SB1016
R719 3.32(F)
R841 5.6 1W
Q902 2SA953
CN-15B WHT
CN-15A RED
CN-16A RED
CN-16B WHT
CN-23C BLK GND
CN-23A YEL Rch OUT
CN-23B GRY Lch OUT
RL901
TP4 (R)
D902
R834 330K
IC901 μPC1237H
Q816 2SA970
Q814 2SA970
Q815 2SC2240
Q805 2SA970
Q807 2SC2240
Q801 2SC2240
Q802 2SC2240
Q803
Q806 2SC2240
Q808 2SA970
Q804 2SC2240
Q714
Q715 2SC2240
Q716 2SA970
Q707 2SC2240
Q705 2SA970
Q702
Q701 2SC2240
Q703
Q708 2SA970
Q706 2SC2240
Q704 2SC2240
RL501
SW505 Input Selector
F301 ICP-N5
TAPE PLAY REC
AUX
CD
IC304 NJM072S
TP2
IC651 TD6104
X651 7.2MHz
IC652 TC9147BP
IC653 μPD4081BC
(Australia Only)
IC351 LA3400N
L352
L351
VR351 220K
Separation Adj
To Tone Control P.C.B.
CN-1
CN-2
AM
FM 75Ω
GND
FM Front-end FE407-A16 FE301
Earth Lug
Q301 2SK241
IC301 TA7060
IC302 LA1235
CF301 (MX)
CF303 (M2)
CT326 20P
IC501 LA1247
L501
L502
L503
L504
VR501
Signal Meter Adj
VR301
VR302
Mute Level
Signal Meter
D303
D304
Q502 2SK117
Q501 2SC945(L)
D502 MA700
(Other Only)
(Australia Only)
CN-26 (Other Only)
CN-24A
CN-24B
CN-28A
CN-28B
CN-32

Fig. 5.13.2.1 2nd Version (For SR-2 (Other & Australia))

Note: For Australia, D309, D310, and pins 1 and 2 of CN-25 are shorted with jumper wires.

Schematic Ref. No.	Part No.	Description
	BA06236A	Main P.C.B. Ass'y (SR-2 (Other)) 2nd Version
	— FM —	
IC301	0B11156A	IC TA7060AP
IC302	0B11157A	IC LA1235
Q301	0B10127A	FET 2SK241 (GR)
Q302,304	0B10174A	TR 2SC2669 (O,Y)
Q303	0B01872A	TR 2SC945L (P,O)
D303-306	0B06398A	SiD 1SS176 (4)
D307-310	0B06181A	SiD 1SS53 (4)
L301	0B51240A	FM Det. Coil A
L302	0B51241A	FM Det. Coil B
L304-310	0B51239A	Micro Coil 22μH (7)
VR301	0B32084A	Semi VR 47K
VR302	0B32080A	Semi VR 10K
R301	0B09725A	RK 100K 1/6W J
R303	0B09745A	RK 680K 1/6W J
R304,313	0B09645A	RK 47 1/6W J
R305,338	0B09671A	RK 560 1/6W J
R307	0B09721A	RK 68K 1/6W J
R308		RK 120K 1/6W J
R310,314 315,316	0B09667A	RK 390 1/6W J
R311,334	0B09698A	RK 7.5K 1/6W J
R312	0B09686A	RK 2.4K 1/6W J
R319,332 333,340	0B09665A	RK 330 1/6W J
R320	0B09717A	RK 47K 1/6W J
R321	0B05641A	RK 47K 1/4W J
R322,329 337	0B09677A	RK 1K 1/6W J
R323	0B09719A	RK 56K 1/6W J
R324	0B09699A	RK 8.2K 1/6W J
R325	0B09705A	RK 15K 1/6W J
R326	0B09685A	RK 2.2K 1/6W J
R327	0B09701A	RK 10K 1/6W J
R330,335	0B09689A	RK 3.3K 1/6W J
R336	0B09646A	RK 51 1/6W J
R339,342	0B09693A	RK 4.7K 1/6W J
CF301,302	0B41818A	Ceramic Filter SFE10.7MX2K-A
CF303,304	0B41746A	Ceramic Filter SFE10.7MS3GH15A
CT332	0B41614A	C Trimmer 30P
C301,303 305,309 310,311 313,314 315,318 319,320 321,324 325,328 331 333-339	0B41554A	CC 0.022μ 25V Z (24)
C302	0B41294A	CMM 0.047μ 50V J
C312,317	0B41290A	CMM 0.022μ 50V J
C316	0B40079A	CE 220μ 16V
C322	0B01402A	CE 4.7μ 25V
C323		CE 2.2μ 50V
C326,329	0B01405A	CE 1μ 50V
C327	0B40066A	CE 330μ 10V
C330	0B41071A	CC 100P 50V J
C341	0B40420A	CE 220μ 16V (LN)
F301	0B11248A	IC Protector ICP-N5
FE301	0B91016A	Front-end FE407-A16
CN2	0B82792A	3P Connector W240
CN7	0B82795A	3P Connector 370
CN25	0B81635A	3P-T Post
TP1	0B81634A	2P-T Post
	0E03355A	Earth Lug (1)
	— AM —	
IC501	0B11243A	IC LA1247
Q501	0B01872A	TR 2SC945L (P,Q)
Q502	0B06129A	FET 2SK117 (Y)
D501	0B12386A	Varicap KV1226Y
D502	0B12363A	SiD MA700
L501	0B51235A	Osc. Coil
L502	0B51236A	Ant. Coil
L503	0B51234A	IFT 2 AM
L504	0B51233A	IFT 1 AM
L505,506	0B51239A	Micro Coil 22μH
VR501	0B32086A	Semi VR 100K
R501	0B01857A	RK 1K 1/4W J

Schematic Ref. No.	Part No.	Description
R502,503 510	0B09725A	RK 100K 1/6W J
R504,509 512	0B09685A	RK 2.2K 1/6W J
R505,506 519	0B09701A	RK 10K 1/6W J
R507	0B09733A	RK 220K 1/6W J
R508	0B09677A	RK 1K 1/6W J
R511	0B09671A	RK 560 1/6W J
R514	0B09661A	RK 220 1/6W J
R515	0B09665A	RK 330 1/6W J
R516	0B09681A	RK 1.5K 1/6W J
R517	0B09651A	RK 82 1/6W J
R518	0B09708A	RK 20K 1/6W J
CF502	0B41701A	Ceramic Filter SFZ450G3L
CT526,527	0B42005A	C Trimmer 20P
C501,506 507,512 515,518 519,520 522,525	0B41554A	CC 0.022μ 25V
C502	0B41401A	CP 430P 50V J
C504,505	0B01402A	CE 4.7μ 25V
C508	0B40111A	CE 0.47μ 50V
C509,523	0B01403A	CE 47μ 16V
C510	0B41296A	CMM 0.068μ 50V J
C511	0B09586A	CC 2200P 50V K
C513,517 521	0B09288A	CC 1000P 50V K
C514	0B41553A	CC 0.01μ 25V
C524	0B41711A	CC 82P 50V K
C528	0B09372A	CE 2.2μ 50V
X501	0B92003A	Crystal 450kHz BFU450C4N
CN1	0B82791A	2P Connector 250mm
TP3	0B81634A	2P-T Post
	— MPX —	
IC351	0B11245A	IC LA3400N
Q351	0B10062A	TR DTC144ES
Q352,353	0B10058A	TR DTA114ES
Q354,355	0B06299A	TR 2SC2878
Q356,357	0B10151A	FET 2SK364
D351,352 353,355	0B06398A	SiD 1SS176
L351,352	0B51237A	MPX Filter
VR351	0B32066A	Semi VR 220K
R352,353	0B09721A	RK 68K 1/6W J
R354,355	0B09723A	RK 82K 1/6W J
R356-359 368	0B09689A	RK 3.3K 1/6W J (5)
R360,361	0B09685A	RK 2.2K 1/6W J
R362,363	0B09695A	RK 5.6K 1/6W J
R364	0B09663A	RK 270 1/6W J
R365,366	0B09749A	RK 1M 1/6W J
R367	0B09725A	RK 100K 1/6W J
R369	0B09701A	RK 10K 1/6W J
C351	0B40418A	CE 330μ 16V (LN)
C352	0B41290A	CMM 0.022μ 50V J
C353,354 366,367	0B09816A	CE 10μ 16V (LN)
C355,358 362	0B01405A	CE 1μ 50V
C356,357	0B01412A	CE 10μ 16V
C359	0B41555A	CC 0.047μ 25V
C360	0B09287A	CC 680P 50V K
C361	0B40023A	CE 0.22μ 50V
C364,365	0B41404A	CP 560P 50V J
C368,369	0B41281A	CMM 3900P 50V J
C370,371	0B41397A	CP 300P 50V J
X351	0B90172A	Ceramic Filter CSB456F11
CN26	0B81636A	4P-T Post
CN36	0B81634A	2P-T Post
TP2	0B81635A	3P-T Post
	— Sync. Cont. —	
IC651	0B11159A	IC TD6104
IC652	0B11161A	IC TC9147BP
IC653	0B06219A	IC μPD4081BC
Q651,652	0B10088A	TR 2SC1815L
Q653,657 660,661	0B01872A	TR 2SC945L (P,Q)
Q654,656 658,662 663	0B10068A	TR DTC114ES
Q655	0B10058A	TR DTA114ES
Q659	0B06013A	TR 2SA733 (P,Q)
Q664,665	0B06372A	TR 2SA953 (K,L)
D301,664 666	0B06181A	SiD 1SS53
D651 653-659 661,662 663,665	0B06398A	SiD 1SS176 (12)
D652	0B12363A	SiD MA700
D660	0B12100A	SiD MC921
L651	0B51239A	Micro Coil 22μH
X651	0B92006A	Crystal 7.2MHz
R653,656 657,664 667,669 672,676 677,683 685,688	0B09725A	RK 100K 1/6W J
R654	0B09661A	RK 220 1/6W J
R655,660	0B09677A	RK 1K 1/6W J
R658,662 665,678 692,693	0B09701A	RK 10K 1/6W J
R661	0B09699A	RK 8.2K 1/6W J
R663	0B24114A	RF 1K 1/2W J
R666,687	0B09707A	RK 18K 1/6W J
R670,671 691	0B09721A	RK 68K 1/6W J
R673,679 682,690	0B09719A	RK 56K 1/6W J
R674,675 680,681	0B09749A	RK 1M 1/6W J
R684	0B09727A	RK 120K 1/6W J
R686	0B09693A	RK 4.7K 1/6W J
R689	0B09709A	RK 22K 1/6W J
R694,695	0B09717A	RK 47K 1/6W J
C651	0B01403A	CE 47μ 16V
C652,663 668-673 679	0B41554A	CC 0.022μ 25V (9)
C653	0B41187A	CC 39P 50V J
C654	0B09586A	CC 2200P 50V K
C655	0B09288A	CC 1000P 50V K
C656	0B40103A	CE 47μ 35V
C657	0B09327A	CE 0.33μ 50V (LN)
C658	0B41298A	CMM 0.1μ 50V J
C659	0B41553A	CC 0.01μ 25V
C661,666 674,678	0B01405A	CE 1μ 50V
C662,677	0B01400A	CE 100μ 16V
C664	0B41708A	CC 22P 50V J
C665	0B41709A	CC 47P 50V J
C667	0B40111A	CE 0.47μ 50V
C675	0B41304A	CMM 0.33μ 50V J
C676	0B01863A	CE 3.3μ 50V
M651	0B90200B	Lithium Battery 3V CR2430-FT4-1
CN8	0B81639A	7P-T Post
CN9	0B81638A	6P-T Post
CN10	0B81635A	3P-T Post
CN12	0B81644A	12P-T Post
CN13	0B81637A	5P-T Post
CN14	0B82802A	4P Connector
	— Eq. Amp. —	
IC391	0B06146A	IC NJM4558DD
Q101,102 201,202	0B10195A	FET 2SK146 (BL,V)
Q103,203	0B01872A	TR 2SC945L (P,Q)
ZD101,201	0B12168A	ZD 10V RD10JS-T1B2
D101,102 201,202	0B06398A	SiD 1SS176
R101,201	0B22423A	RM 51.0K 1/6W F
R102,202	0B22684A	RM 5.62 1/4W F
R103,203	0B09695A	RK 5.6K 1/6W J
R104,105 204,205	0B09356A	RM 4.7K 1/4W F
R106,206	0B22039A	RM 22.6 1/6W F
R107,207	0B22253A	RM 1.69K 1/6W F
R108,208	0B22635A	RM 1.21K 1/4W F
R109,209	0B22493A	RM 220K 1/6W F
R110,152 210,252	0B22457A	RM 100K 1/6W F
R111,211	0B09562A	RM 75.0K 1/4W F
R112,212	0B22641A	RM 887K 1/4W F
R113,213	0B22576A	RM 475 1/4W F
R114,214	0B09707A	RK 18K 1/6W J
C101,201	0B41703A	CSP 100P 50V J
C102,202	0B41585A	CM 0.015μ 100V J
C103,104 203,204	0B09816A	CE 10μ 16V (LN)
C105,205	0B41238A	CP 3600P 100V J
C106,124 206,224	0B41225A	CP 1000P 100V J
C107,207	0B09933A	CE 2.2μ 50V (LN)
C121,221	0B40422A	CE 220μ 10V (LN)
C391,396	0B41304A	CMM 0.33μ 50V J
CN34	0B82862A	10P Connector
	BA06355A	Eq. Sub P.C.B. Ass'y
	— Power Supply —	
Q401,403 407,409	0B06013A	TR 2SA733 (P,Q)
Q402,404 408	0B01872A	TR 2SC945L (P,Q)
Q405	0B06452A	TR 2SD1406 (Y)
Q406	0B06451A	TR 2SB1015 (Y)
ZD401	0B12162A	ZD 8.2V RD8.2JS-T1B2
R401,402	0B09725A	RK 100K 1/6W J
R403,404	0B09669A	RK 470 1/6W J
R405	0B09695A	RK 5.6K 1/6W J
R406,407 408,409	0B22343A	RM 10.0K 1/6W F
C394,395	0B41507A	C 22P 50V J
CN3	0B81635A	3P-T Post
GJ	0B82135B	PD Connector V130
HJ	0B82215A	PD Connector V090
	0B08680B	Heat Sink A (2)
	0E00972A	Nut Hex. M3 (2)
	0E03319A	M3x8 ⊕ Binding (2)
	— Tuner Buffer —	
IC394	0B11070A	IC NJM072S
R141-144 241-244	0B01889A	RK 100K 1/4W J (8)
R151,251	0B01857A	RK 1K 1/4W J
C118,218	0B09814A	CE 1μ 50V (LN)
	— Input Sel. —	
D391	0B06398A	SiD 1SS176
R145,146 149,245 246,249	0B09733A	RK 220K 1/6W J
R150,250	0B22229A	RM 1.00K 1/6W F
R396	0B05509A	RK 33K 1/4W J
C399	0B41298A	CMM 0.1μ 50V J
RL301	0B90204A	Relay FBR42ND024P
SW305	0B70082A	Rotary Slide Switch 4-4
CN5,6	0B81013A	Dip Mate 6P
CN22	0B81002A	Dip Mate 2P
CN27A	0B82750A	PD Connector V80
CN27B 28B,32	0B82751A	PD Connector V80
CN28A	0B82752A	PD Connector V80
	0B81020A	2P Pin Jack (1)
	0B81593A	4P Pin Jack (2)
	0B82733B	Ribbon Cable 6P (1)
	— Protector —	
IC901	0B11246A	IC μPC1237H
Q714,716 814,816	0B10050A	TR 2SA970 (BL)
Q715,815	0B06142A	TR 2SC2240 (BL)
Q901	0B06322A	TR 2SC2002 (K,L)
Q902	0B06372A	TR 2SA953 (K,L)
ZD702,802 901	0B06123A	ZD 12V RD12EB3
D901,902	0B06181A	SiD 1SS53
R733,833	0B01681A	RK 3.3K 1/4W J
R734,740 834,840	0B05627A	RK 330K 1/4W J
R735,835	0B01856A	RK 8.2K 1/4W J
R736,836	0B09392A	RK 200K 1/4W J
R737,837 902	0B01682A	RK 6.8K 1/4W J
R739,839	0B05621A	RK 120K 1/4W J
R901,907	0B01888A	RK 10K 1/4W J
R903	0B24113A	RF 2.2K 1/2W J
R904	0B05641A	RK 47K 1/4W J
R905	0B01933A	RK 220 1/4W J
R906	0B01889A	RK 100K 1/4W J
R908	0B05508A	RK 56K 1/4W J
R909	0B24106A	RF 820 2W J
C901	0B40408A	CE 330μ 10V (BP)
C902	0B40116A	CE 10μ 50V
C903	0B09372A	CE 2.2μ 50V
C905	0B01400A	CE 100μ 16V
RL901	0B90199A	Relay 24V
CN11	0B82799A	3P Connector
	— Power Amp. —	
Q701-704 706,707 801-804 806,807	0B06142A	TR 2SC2240 (BL) (12)
Q705,708 805,808	0B10050A	TR 2SA970 (BL)
ZD701,801	0B12162A	ZD 8.2V RD8.2JSB2
VR701,801	0B32078A	Semi VR 4.7K
R701,711 801,811	0B09441A	RM 22K 1/4W F
R702,713 714,802 813,814	0B09420A	RM 2.2K 1/4W F
R703,803	0B09421A	RM 2.67K 1/4W F
R704,804	0B01857A	RK 1K 1/4W J
R705,805	0B09230A	RM 1.5K 1/4W F
R706,806	0B24111A	RF 22K 1/2W J
R707,807	0B01846A	RK 4.7K 1/4W J
R708,808	0B05959A	RK 75 1/4W J
R709,809	0B05623A	RK 1.2K 1/4W J
R710,810	0B01933A	RK 220 1/4W J
R712,715 812,815	0B22632A	RM 75 1/4W F
R716,816	0B05622A	RK 2.2K 1/4W J
R717,720 817,820	0B24110A	RF 10 1/2W J
R718,719 818,819	0B22700A	RM 3.32 1/4W F
R721,722 821,822	0B24094A	RC 1 5W K
R741,841	0B24112A	RF 5.6 1W J
R743,843	0B22457A	RM 100K 1/6W F
R750,850	0B01683A	RK 15K 1/4W J
C701,801	0B41213A	CP 330P 100V J
C702,802	0B40421A	CE 220μ 25V (LN)
C703,803	0B41225A	CP 1000P 100V J
C704,705 804,805	0B41702A	CSP 22P 50V J
C706,806	0B41594A	CM 0.1μ 100V J
C707,807	0B09816A	CE 10μ 16V (LN)
TP4L,4R	0B81634A	2P-T Post
	— Miscellaneous —	
	0B60377F	Main P.C.B.
Q709,809	0B06303A	TR 2SB772 (P,Q)
Q710,810	0B10121A	TR 2SD1407
Q711,811	0B10120A	TR 2SB1016
Q712,812	0B10177A	TR 2SA1491 (P,Y,G)
Q713,813	0B10179A	TR 2SC3855 (P,Y,G)
TH901	0B19004A	Thermistor 50KD-5
	0B90201A	Insulator (2)
	0B82748B	PD Connector V300 (1)
	0E00868A	BT3x8 ⊕ Binding(4)
	0E03138A	M3x10 ⊕ Binding(10)
	0J05198A	Heat Sink (1)
	0J05205A	Heat Sink Holder A (1)
	0J05207A	Main P.C.B. Holder (1)
	0J05212C	Thermistor Holder (1)
	0E00607A	M3x8 ⊕ Pan (3A) (2)
	0B81596A	Antenna Terminal (1)
	0B90019A	Insu-Lock SKB80 (1)
	BA06309A	Main P.C.B. Ass'y (SR-2 (Australia)) 2nd Version
	Note: BA06309A is the same as BA06236A except for the following sections.	
	— FM —	
IC301	0B11156A	IC TA7060AP
IC302	0B11157A	IC LA1235
Q301	0B10127A	FET 2SK241 (GR)
Q302,304	0B10174A	TR 2SC2669 (O,Y)
Q303,305	0B01872A	TR 2SC945L (P,O)
D303-306	0B06398A	SiD 1SS176 (4)
L301	0B51240A	FM Det. Coil A
L302	0B51241A	FM Det. Coil B
L304-308 310	0B51239A	Micro Coil 22μH (6)
VR301	0B32084A	Semi VR 47K
VR302	0B32080A	Semi VR 10K
R301	0B09725A	RK 100K 1/6W J
R303,346	0B09745A	RK 680K 1/6W J
R304,313	0B09645A	RK 47 1/6W J
R305,338	0B09671A	RK 560 1/6W J
R307	0B09721A	RK 68K 1/6W J
R308	0B09727A	RK 120K 1/6W J
R310,314 315,316	0B09667A	RK 390 1/6W J
R311,334	0B09698A	RK 7.5K 1/6W J
R312	0B09686A	RK 2.4K 1/6W J
R319,332 333	0B09665A	RK 330 1/6W J
R320	0B09717A	RK 47K 1/6W J
R321	0B05641A	RK 47K 1/4W J
R322,329 337	0B09677A	RK 1K 1/6W J
R323	0B09719A	RK 56K 1/6W J
R324	0B09699A	RK 8.2K 1/6W J
R325	0B09705A	RK 15K 1/6W J
R326	0B09685A	RK 2.2K 1/6W J
R327	0B09701A	RK 10K 1/6W J
R335	0B09689A	RK 3.3K 1/6W J
R336	0B09646A	RK 51 1/6W J
R347	0B09694A	RK 5.1K 1/6W J
R348	0B09687A	RK 2.7K 1/6W J
CF301,302	0B41818A	Ceramic Filter SFE10.7MX2K-A
CF303,304	0B41746A	Ceramic Filter SFE10.7MS3GH15A
CT332	0B41614A	C Trimmer 30P
C301,303 305,309 310,311 313,314 315,318 319,320 321,324 325,328 331,333 334,335 336,337	0B41554A	CC 0.022μ 25V Z
C302	0B41294A	CMM 0.047μ 50V J
C312,317	0B41290A	CMM 0.022μ 50V J
C316	0B40079A	CE 220μ 16V
C322	0B01402A	CE 4.7μ 25V
C323	0B09372A	CE 2.2μ 50V
C326,329	0B01405A	CE 1μ 50V
C327	0B40066A	CE 330μ 10V
C330	0B41071A	CC 100P 50V J
C341	0B40420A	CE 220μ 16V (LN)
C342	0B01412A	CE 10μ 16V
F301	0B11248A	IC Protector ICP-N5
FE301	0B91016A	Front-end FE407-A16
CN2	0B82792A	3P Connector W240
CN7	0B82795A	3P Connector 370
TP1	0B81634A	2P-T Post
	0E03355A	Earth Lug (1)
	— MPX —	
IC351	0B11245A	IC LA3400N
Q351	0B10062A	TR DTC144ES
Q352,353	0B10058A	TR DTA114ES
Q354,355	0B06299A	TR 2SC2878
D351,352 353	0B06398A	SiD 1SS176
L351,352	0B51237A	MPX Filter
VR351	0B32066A	Semi VR 220K
R352,353	0B09721A	RK 68K 1/6W J
R354,355	0B09723A	RK 82K 1/6W J
R356-359 368	0B09689A	RK 3.3K 1/6W J (5)
R360,361	0B09685A	RK 2.2K 1/6W J
R362,363	0B09695A	RK 5.6K 1/6W J
R364	0B09663A	RK 270 1/6W J
R369	0B09701A	RK 10K 1/6W J
C351	0B40418A	CE 330μ 16V (LN)
C352	0B41290A	CMM 0.022μ 50V J
C353,354 366,367	0B09816A	CE 10μ 16V (LN)
C355,358 362	0B01405A	CE 1μ 50V
C356,357	0B01412A	CE 10μ 16V
C359	0B41555A	CC 0.047μ 25V
C360	0B09287A	CC 680P 50V K
C361	0B40023A	CE 0.22μ 50V
C364,365	0B41404A	CP 560P 50V J
C368,369	0B41281A	CMM 3900P 50V J
X351	0B90172A	Ceramic Filter CSB456F11
TP2	0B81635A	3P-T Post
	— Miscellaneous —	
	0M04956A	Lithium Battery Caution Label (1)
	BA06355A	Eq. Sub P.C.B. Ass'y
	0B60394B	Eq. Sub P.C.B.
Q106,206	0B06299A	TR 2SC2878
Q107	0B10050A	TR 2SA970 (BL)
Q391	0B01872A	TR 2SC945L (P,Q)
ZD103	0B12321A	ZD 15V MTZ15C
R156,256	0B09677A	RK 1K 1/6W J
R157,257	0B09749A	RK 1M 1/6W J
R158,159 392,393	0B09725A	RK 100K 1/6W J
R160	0B09737A	RK 330K 1/6W J
R391	0B09681A	RK 1.5K 1/6W J
C393	0B40024A	CE 0.33μ 50V
CN34	0B81631A	10P Connector

5.14. Eq. Sub P.C.B. Ass'y

Note: This P.C.B. Ass'y is included in the Eq. Amp. section of the Main P.C.B. Ass'y for Other and Australia versions.

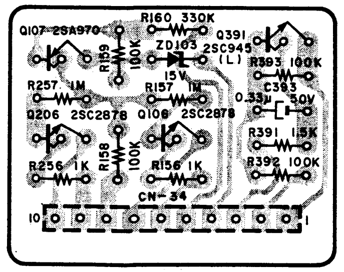
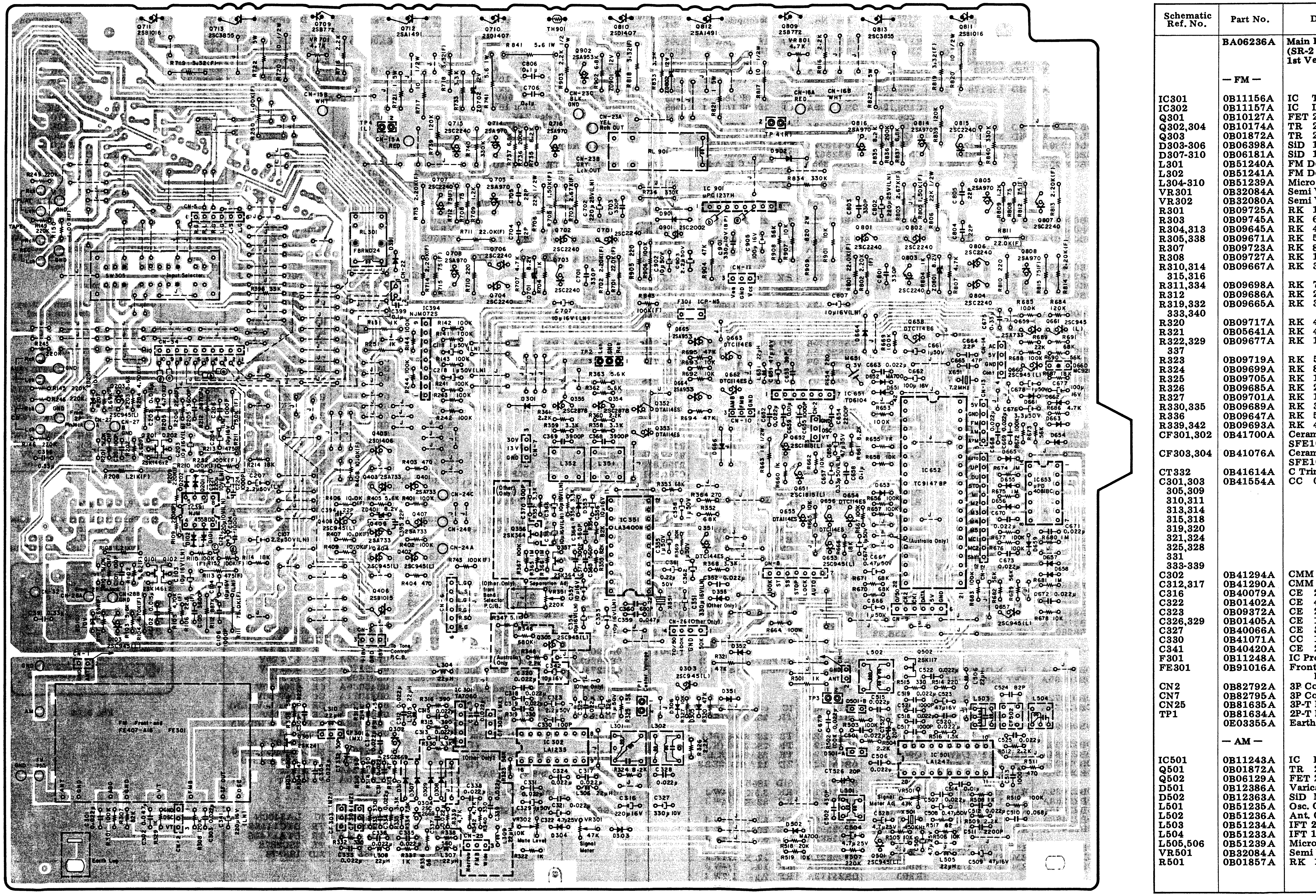


Fig. 5.14

(2) 1st Version



Note: For Australia, D309, D310, and pins 1 and 2 of CN-25 are shorted with jumper wires.

Fig. 5.13.2.2 1st Version (For SR-2 (Other & Australia))

Schematic Ref. No.	Part No.	Description
	BA06236A	Main P.C.B. Ass'y (SR-2 (Other)) 1st Version
	— FM —	
IC301	0B11156A	IC TA7060AP
IC302	0B11157A	IC LA1235
Q301	0B10127A	FET 2SK241 (GR)
Q302,304	0B10174A	TR 2SC2669 (O,Y)
Q303	0B01872A	TR 2SC945L (P,O)
D303-306	0B06398A	SiD 1SS176 (4)
D307-310	0B06181A	SiD 1SS53 (4)
L301	0B51240A	FM Det. Coil A
L302	0B51241A	FM Det. Coil B
L304-310	0B51239A	Micro Coil 22μH (7)
VR301	0B32084A	Semi VR 47K
VR302	0B32080A	Semi VR 10K
R301	0B09725A	RK 100K 1/6W J
R303	0B09745A	RK 680K 1/6W J
R304,313	0B09645A	RK 47 1/6W J
R305,338	0B09671A	RK 560 1/6W J
R307	0B09723A	RK 82K 1/6W J
R308	0B09727A	RK 120K 1/6W J
R310,314 315,316	0B09667A	RK 390 1/6W J
R311,334	0B09698A	RK 7.5K 1/6W J
R312	0B09686A	RK 2.4K 1/6W J
R319,332 333,340	0B09665A	RK 330 1/6W J
R320	0B09717A	RK 47K 1/6W J
R321	0B05641A	RK 47K 1/4W J
R322,329 337	0B09677A	RK 1K 1/6W J
R323	0B09719A	RK 56K 1/6W J
R324	0B09699A	RK 8.2K 1/6W J
R325	0B09705A	RK 15K 1/6W J
R326	0B09685A	RK 2.2K 1/6W J
R327	0B09701A	RK 10K 1/6W J
R330,335	0B09689A	RK 3.3K 1/6W J
R336	0B09647A	RK 56 1/6W J
R339,342	0B09693A	RK 4.7K 1/6W J
CF301,302	0B41700A	Ceramic Filter SFE10.7MX2H-A
CF303,304	0B41076A	Ceramic Filter SFE10.7MS3GKY-A
CT332	0B41614A	C Trimmer 30P
C301,303 305,309 310,311 313,314 315,318 319,320 321,324 325,328 331 333-339	0B41554A	CC 0.022μ 25V Z (24)
C302	0B41294A	CMM 0.047μ 50V J
C312,317	0B41290A	CMM 0.022μ 50V J
C316	0B40079A	CE 220μ 16V
C322	0B01402A	CE 4.7μ 25V
C323	0B09372A	CE 2.2μ 50V
C326,329	0B01405A	CE 1μ 50V
C327	0B40066A	CE 330μ 10V
C330	0B41071A	CC 100P 50V J
C341	0B40420A	CE 220μ 16V (LN)
F301	0B11248A	IC Protector ICP-N5
FE301	0B91016A	Front-end FE407-A16
CN2	0B82792A	3P Connector W240
CN7	0B82795A	3P Connector 370
CN25	0B81635A	3P-T Post
TP1	0B81634A	2P-T Post
	0E03355A	Earth Lug (1)
	— AM —	
IC501	0B11243A	IC LA1247
Q501	0B01872A	TR 2SC945L (P,Q)
Q502	0B06129A	FET 2SK117 (Y)
D501	0B12386A	Varicap KV1226Y
D502	0B12363A	SiD MA700
L501	0B51235A	Osc. Coil
L502	0B51236A	Ant. Coil
L503	0B51234A	IFT 2 AM
L504	0B51233A	IFT 1 AM
L505,506	0B51239A	Micro Coil 22μH
VR501	0B32084A	Semi VR 47K
R501	0B01857A	RK 1K 1/4W J

Schematic Ref. No.	Part No.	Description
R502,503 510	0B09725A	RK 100K 1/6W J
R504,509 512	0B09685A	RK 2.2K 1/6W J
R505,506 519	0B09701A	RK 10K 1/6W J
R507	0B09733A	RK 220K 1/6W J
R508	0B09677A	RK 1K 1/6W J
R511	0B09669A	RK 470 1/6W J
R514	0B09661A	RK 220 1/6W J
R515	0B09665A	RK 330 1/6W J
R516	0B09681A	RK 1.5K 1/6W J
R517	0B09648A	RK 62 1/6W J
R518	0B09708A	RK 20K 1/6W J
CF502	0B41701A	Ceramic Filter SFZ450G3L
CT526,527	0B42005A	C Trimmer 20P
C501,506 507,512 515,518 519,520 522,525	0B41554A	CC 0.022μ 25V
C502	0B41401A	CP 430P 50V J
C504,505 528	0B01402A	CE 4.7μ 25V
C508	0B40111A	CE 0.47μ 50V
C509,523	0B01403A	CE 47μ 16V
C510	0B41296A	CMM 0.068μ 50V J
C511	0B09586A	CC 2200P 50V K
C513,517 521	0B09288A	CC 1000P 50V K
C514	0B41553A	CC 0.01μ 25V
C524	0B41711A	CC 82P 50V K
X501	0B92003A	Crystal 450kHz BFU450C4N
CN1	0B82791A	2P Connector 250mm
TP3	0B81634A	2P-T Post
	— MPX —	
IC351	0B11245A	IC LA3400N
Q351	0B10062A	TR DTC144ES
Q352,353	0B10058A	TR DTA114ES
Q354,355	0B06299A	TR 2SC2878
Q356,357	0B10151A	FET 2SK364
D351,352 353,355	0B06398A	SiD 1SS176
L351,352	0B51237A	MPX Filter
VR351	0B32066A	Semi VR 220K
R352,353	0B09721A	RK 68K 1/6W J
R354,355	0B09723A	RK 82K 1/6W J
R356-359 368	0B09689A	RK 3.3K 1/6W J (5)
R360,361	0B09685A	RK 2.2K 1/6W J
R362,363	0B09695A	RK 5.6K 1/6W J
R364	0B09663A	RK 270 1/6W J
R365,366	0B09749A	RK 1M 1/6W J
R367	0B09725A	RK 100K 1/6W J
R369	0B09701A	RK 10K 1/6W J
C351	0B40418A	CE 330μ 16V (LN)
C352	0B41290A	CMM 0.022μ 50V J
C353,354 366,367	0B09816A	CE 10μ 16V (LN)
C355,358 362	0B01405A	CE 1μ 50V
C356,357	0B01412A	CE 10μ 16V
C359	0B41555A	CC 0.047μ 25V
C360	0B09287A	CC 680P 50V K
C361	0B40023A	CE 0.22μ 50V
C364,365	0B41404A	CP 560P 50V J
C368,369	0B41281A	CMM 3900P 50V J
C370,371	0B41397A	CP 300P 50V J
X351	0B90172A	Ceramic Filter CSB456F11
CN26	0B81636A	4P-T Post
TP2	0B81635A	3P-T Post
	— Sync. Cont. —	
IC651	0B11159A	IC TD6104
IC652	0B11161A	IC TC9147BP
IC653	0B06219A	IC μPD4081BC
Q651,652	0B10088A	TR 2SC1815L
Q653,657 660,661	0B01872A	TR 2SC945L (P,Q)
Q654,656 658,662 663	0B10068A	TR DTC114ES
Q655	0B10058A	TR DTA114ES
Q659	0B06013A	TR 2SA733 (P,Q)
Q664,665	0B06372A	TR 2SA953 (K,L)
D301,664 666	0B06181A	SiD 1SS53
D651 653-659 661,662 663,665	0B06398A	SiD 1SS176 (12)
D652	0B12363A	SiD MA700
D660	0B12100A	SiD MC921
L651	0B51239A	Micro Coil 22μH
X651	0B92006A	Crystal 7.2MHz
R653,656 657,664 667,669 672,676 677,683 685,688	0B09725A	RK 100K 1/6W J
R654	0B09661A	RK 220 1/6W J
R655,660	0B09677A	RK 1K 1/6W J
R658,662 665,678 692,693	0B09701A	RK 10K 1/6W J
R661	0B09699A	RK 8.2K 1/6W J
R663	0B24114A	RF 1K 1/2W J
R666,687	0B09707A	RK 18K 1/6W J
R670,671 691	0B09721A	RK 68K 1/6W J
R673,679 682,690	0B09719A	RK 56K 1/6W J
R674,675 680,681	0B09749A	RK 1M 1/6W J
R684	0B09727A	RK 120K 1/6W J
R686	0B09693A	RK 4.7K 1/6W J
R689	0B09709A	RK 22K 1/6W J
R694,695	0B09717A	RK 47K 1/6W J
C651	0B01403A	CE 47μ 16V
C652,663 668-673 679	0B41554A	CC 0.022μ 25V (9)
C653	0B41187A	CC 39P 50V J
C654	0B09586A	CC 2200P 50V K
C655	0B09288A	CC 1000P 50V K
C656	0B40103A	CE 47μ 35V
C657	0B09327A	CE 0.33μ 50V (LN)
C658	0B41298A	CMM 0.1μ 50V J
C659	0B41553A	CC 0.01μ 25V
C661,666 674,678	0B01405A	CE 1μ 50V
C662,677	0B01400A	CE 100μ 16V
C664	0B41708A	CC 22P 50V J
C665	0B41709A	CC 47P 50V J
C667	0B40111A	CE 0.47μ 50V
C675	0B41304A	CMM 0.33μ 50V J
C676	0B01863A	CE 3.3μ 50V
M651	0B90200B	Lithium Battery 3V CR2430-FT4-1
CN8	0B81639A	7P-T Post
CN9	0B81638A	6P-T Post
CN10	0B81635A	3P-T Post
CN12	0B81644A	12P-T Post
CN13	0B81637A	5P-T Post
CN14	0B82802A	4P Connector
	— Eq. Amp. —	
IC391	0B06146A	IC NJM4558DD
Q101,102 201,202	0B10195A	FET 2SK146 (BL,V)
Q103,203	0B01872A	TR 2SC945L (P,Q)
ZD101,201	0B12168A	ZD 10V RD10JS-T1B2
D101,102 201,202	0B06398A	SiD 1SS176
R101,201	0B22423A	RM 51.0K 1/6W F
R102,202	0B22684A	RM 5.62 1/4W F
R103,203	0B09695A	RK 5.6K 1/6W J
R104,105 204,205	0B09356A	RM 4.7K 1/4W F
R106,206	0B22039A	RM 22.6 1/6W F
R107,207	0B22253A	RM 1.69K 1/6W F
R108,208	0B22635A	RM 1.21K 1/4W F
R109,209	0B22493A	RM 220K 1/6W F
R110,152 210,252	0B22457A	RM 100K 1/6W F
R111,211	0B09562A	RM 75.0K 1/4W F
R112,212	0B22641A	RM 887K 1/4W F
R113,213	0B22576A	RM 475 1/4W F
R114,214	0B09707A	RK 18K 1/6W J
C101,201	0B41703A	CSP 100P 50V J
C102,202	0B41585A	CM 0.015μ 100V J
C103,104 203,204	0B09816A	CE 10μ 16V (LN)
C105,205	0B41238A	CP 3600P 100V J
C106,124 206,224	0B41225A	CP 1000P 100V J
C107,207	0B09933A	CE 2.2μ 50V (LN)
C121,221	0B40422A	CE 220μ 10V (LN)
C391,396	0B41304A	CMM 0.33μ 50V J
CN34	0B82862A	10P Connector
	BA06355A	Eq. Sub P.C.B. Ass'y
	— Power Supply —	
Q401,403 407,409	0B06013A	TR 2SA733 (P,Q)
Q402,404 408	0B01872A	TR 2SC945L (P,Q)
Q405	0B06452A	TR 2SD1406 (Y)
Q406	0B06451A	TR 2SB1015 (Y)
ZD401	0B12162A	ZD 8.2V RD8.2JS-T1B2
R401,402	0B09725A	RK 100K 1/6W J
R403,404	0B09669A	RK 470 1/6W J
R405	0B09695A	RK 5.6K 1/6W J
R406,407 408,409	0B22343A	RM 10.0K 1/6W F
C394,395	0B41507A	C 22P 50V J
CN3	0B81635A	3P-T Post
	0B08680B	Heat Sink A (2)
	0E00972A	Nut Hex. M3 (2)
	0E03319A	M3x8 ⊕Binding (2)
	— Tuner Buffer —	
IC394	0B11070A	IC NJM072S
R141-144 241-244	0B01889A	RK 100K 1/4W J (8)
R151,251	0B01857A	RK 1K 1/4W J
C118,218	0B09814A	CE 1μ 50V (LN)
	— Input Sel. —	
D391	0B06398A	SiD 1SS176
R145,146 149,245 246,249	0B09733A	RK 220K 1/6W J
R150,250	0B22229A	RM 1.00K 1/6W F
R396	0B05509A	RK 33K 1/4W J
C399	0B41298A	CMM 0.1μ 50V J
RL301	0B90204A	Relay FBR42ND024P
SW305	0B70082A	Rotary Slide Switch 4-4
CN5,6	0B81013A	Dip Mate 6P
CN22	0B81002A	Dip Mate 2P
CN27A	0B82750A	PD Connector V80
CN27B 28B,32	0B82751A	PD Connector V80
CN28A	0B82752A	PD Connector V80
	0B81020A	2P Pin Jack (1)
	0B81593A	4P Pin Jack (2)
	0B82733B	Ribbon Cable 6P (1)
	— Protector —	
IC901	0B11246A	IC μPC1237H
Q714,716 814,816	0B10050A	TR 2SA970 (BL)
Q715,815	0B06142A	TR 2SC2240 (BL)
Q901	0B06322A	TR 2SC2002 (K,L)
Q902	0B06372A	TR 2SA953 (K,L)
ZD702,802 901	0B06123A	ZD 12V RD12EB3
D901,902	0B06181A	SiD 1SS53
R733,833	0B01681A	RK 3.3K 1/4W J
R734,740 834,840	0B05627A	RK 330K 1/4W J
R735,835	0B01856A	RK 8.2K 1/4W J
R736,836	0B09392A	RK 200K 1/4W J
R737,837 902	0B01682A	RK 6.8K 1/4W J
R739,839	0B05621A	RK 120K 1/4W J
R901,907	0B01888A	RK 10K 1/4W J
R903	0B24113A	RF 2.2K 1/2W J
R904	0B05641A	RK 47K 1/4W J
R905	0B01933A	RK 220 1/4W J
R906	0B01889A	RK 100K 1/4W J
R908	0B05508A	RK 56K 1/4W J
R909	0B24106A	RF 820 2W J
C901	0B40408A	CE 330μ 10V (BP)
C902	0B40116A	CE 10μ 50V
C903	0B09372A	CE 2.2μ 50V
C905	0B01400A	CE 100μ 16V
RL901	0B90199A	Relay 24V
CN11	0B82799A	3P Connector
	— Power Amp. —	
Q701-704 706,707 801-804 806,807	0B06142A	TR 2SC2240 (BL) (12)
Q705,708 805,808	0B10050A	TR 2SA970 (BL)
ZD701,801	0B06418A	ZD 8.2V RD8.2JB2
VR701,801	0B32078A	Semi VR 4.7K
R701,711 801,811	0B09441A	RM 22K 1/4W F
R702,713 714,802 813,814	0B09420A	RM 2.2K 1/4W F
R703,803	0B09421A	RM 2.67K 1/4W F
R704,804	0B01857A	RK 1K 1/4W J
R705,805	0B09230A	RM 1.5K 1/4W F
R706,806	0B24111A	RF 22K 1/2W J
R707,807	0B01846A	RK 4.7K 1/4W J
R708,808	0B05959A	RK 75 1/4W J
R709,809	0B05623A	RK 1.2K 1/4W J
R710,810	0B01933A	RK 220 1/4W J
R712,715 812,815	0B22632A	RM 75 1/4W F
R716,816	0B05622A	RK 2.2K 1/4W J
R717,720 817,820	0B24110A	RF 10 1/2W J
R718,719 818,819	0B22700A	RM 3.32 1/4W F
R721,722 821,822	0B24094A	RC 1 5W K
R741,841	0B24112A	RF 5.6 1W J
R743.843	0B22457A	RM 100K 1/6W F
C701,703 801,803	0B41213A	CP 330P 100V J
C702,802	0B40421A	CE 220μ 25V (LN)
C704,705 804,805	0B41702A	CSP 22P 50V J
C706,806	0B41594A	CM 0.1μ 100V J
C707,807	0B09816A	CE 10μ 16V (LN)
TP4L,4R	0B81634A	2P-T Post
	— Miscellaneous —	
	0B60377A	Main P.C.B.
Q709,809	0B06303A	TR 2SB772 (P,Q)
Q710,810	0B10121A	TR 2SD1407
Q711,811	0B10120A	TR 2SB1016
Q712,812	0B10177A	TR 2SA1491 (P,Y,G)
Q713,813	0B10179A	TR 2SC3855 (P,Y,G)
TH901	0B19004A	Thermistor 50KD-5
	0B90201A	Insulator (2)
	0B90210A	Insu-Lock (3)
	0E00868A	BT3x8 ⊕Pan (7)
	0E03138A	M3x10 ⊕Pan (Nickel) (10)
	0J05198A	Heat Sink (1)
	0J05205A	Heat Sink Holder A (1)
	0J05207A	Main P.C.B. Holder (2)
	0J05212C	Thermistor Holder (1)
	0E00606A	M3x6 ⊕Pan (3A) (2)
	0B81596A	Antenna Terminal (1)
	0B90019A	Insu-Lock SKB80 (1)
	BA06309A	Main P.C.B. Ass'y (SR-2 (Australia)) 1st Version
	Note: BA06309A is the same as BA06236A except for the following sections.	
	— FM —	
IC301	0B11156A	IC TA7060AP
IC302	0B11157A	IC LA1235
Q301	0B10127A	FET 2SK241 (GR)
Q302,304	0B10174A	TR 2SC2669 (O,Y)
Q303,305	0B01872A	TR 2SC945L (P,O)
D303-306	0B06398A	SiD 1SS176 (4)
L301	0B51240A	FM Det. Coil A
L302	0B51241A	FM Det. Coil B
L304-308 310	0B51239A	Micro Coil 22μH (6)
VR301	0B32084A	Semi VR 47K
VR302	0B32080A	Semi VR 10K
R301	0B09725A	RK 100K 1/6W J
R303,346	0B09745A	RK 680K 1/6W J
R304,313	0B09645A	RK 47 1/6W J
R305,338	0B09671A	RK 560 1/6W J
R307	0B09723A	RK 82K 1/6W J
R308	0B09727A	RK 120K 1/6W J
R310,314 315,316	0B09667A	RK 390 1/6W J
R311,334	0B09698A	RK 7.5K 1/6W J
R312	0B09686A	RK 2.4K 1/6W J
R319,332 333	0B09665A	RK 330 1/6W J
R320	0B09717A	RK 47K 1/6W J
R321	0B05641A	RK 47K 1/4W J
R322,329 337	0B09677A	RK 1K 1/6W J
R323	0B09719A	RK 56K 1/6W J
R324	0B09699A	RK 8.2K 1/6W J
R325	0B09705A	RK 15K 1/6W J
R326,348	0B09685A	RK 2.2K 1/6W J
R327	0B09701A	RK 10K 1/6W J
R335	0B09689A	RK 3.3K 1/6W J
R336	0B09647A	RK 56 1/6W J
R347	0B09694A	RK 5.1K 1/6W J
CF301,302	0B41700A	Ceramic Filter SFE10.7MX2H-A
CF303,304	0B41076A	Ceramic Filter SFE10.7MS3GKY-A
CT332	0B41614A	C Trimmer 30P
C301,303 305,309 310,311 313,314 315,318 319,320 321,324 325,328 331,333 334,335 336,337	0B41554A	CC 0.022μ 25V Z
C302	0B41294A	CMM 0.047μ 50V J
C312,317	0B41290A	CMM 0.022μ 50V J
C316	0B40079A	CE 220μ 16V
C322	0B01402A	CE 4.7μ 25V
C323	0B09372A	CE 2.2μ 50V
C326,329	0B01405A	CE 1μ 50V
C327	0B40066A	CE 330μ 10V
C330	0B41071A	CC 100P 50V J
C341	0B40420A	CE 220μ 16V (LN)
C342	0B01412A	CE 10μ 16V
F301	0B11248A	IC Protector ICP-N5
FE301	0B91016A	Front-end FE407-A16
CN2	0B82792A	3P Connector W240
CN7	0B82795A	3P Connector 370
TP1	0B81634A	2P-T Post
	0E03355A	Earth Lug (1)
	— MPX —	
IC351	0B11245A	IC LA3400N
Q351	0B10062A	TR DTC144ES
Q352,353	0B10058A	TR DTA114ES
Q354,355	0B06299A	TR 2SC2878
D351,352 353	0B06398A	SiD 1SS176
L351,352	0B51237A	MPX Filter
VR351	0B32066A	Semi VR 220K
R352,353	0B09721A	RK 68K 1/6W J
R354,355	0B09723A	RK 82K 1/6W J
R356-359 368	0B09689A	RK 3.3K 1/6W J (5)
R360,361	0B09685A	RK 2.2K 1/6W J
R362,363	0B09695A	RK 5.6K 1/6W J
R364	0B09663A	RK 270 1/6W J
R369	0B09701A	RK 10K 1/6W J
C351	0B40418A	CE 330μ 16V (LN)
C352	0B41290A	CMM 0.022μ 50V J
C353,354 366,367	0B09816A	CE 10μ 16V (LN)
C355,358 362	0B01405A	CE 1μ 50V
C356,357	0B01412A	CE 10μ 16V
C359	0B41555A	CC 0.047μ 25V
C360	0B09287A	CC 680P 50V K
C361	0B40023A	CE 0.22μ 50V
C364,365	0B41404A	CP 560P 50V J
C368,369	0B41281A	CMM 3900P 50V J
X351	0B90172A	Ceramic Filter CSB456F11
TP2	0B81635A	3P-T Post
	BA06355A	Eq. Sub P.C.B. Ass'y
	0B60394B	Eq. Sub P.C.B.
Q106,206	0B06299A	TR 2SC2878
Q107	0B10050A	TR 2SA970 (BL)
Q391	0B01872A	TR 2SC945L (P,Q)
ZD103	0B12321A	ZD 15V MTZ15C
R156,256	0B09677A	RK 1K 1/6W J
R157,257	0B09749A	RK 1M 1/6W J
R158,159 392,393	0B09725A	RK 100K 1/6W J
R160	0B09737A	RK 330K 1/6W J
R391	0B09681A	RK 1.5K 1/6W J
C393	0B40024A	CE 0.33μ 50V
CN34	0B81631A	10P Connector

5.14. Eq. Sub P.C.B. Ass'y

Note: This P.C.B. Ass'y is included in the Eq. Amp. section of the Main P.C.B. Ass'y for Other and Australia versions.

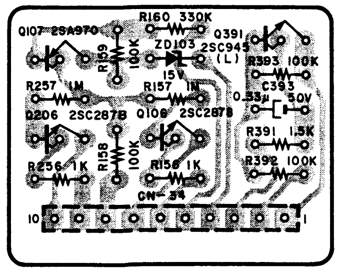


Fig. 5.14

5.13.3. For SR-2E (Europe)

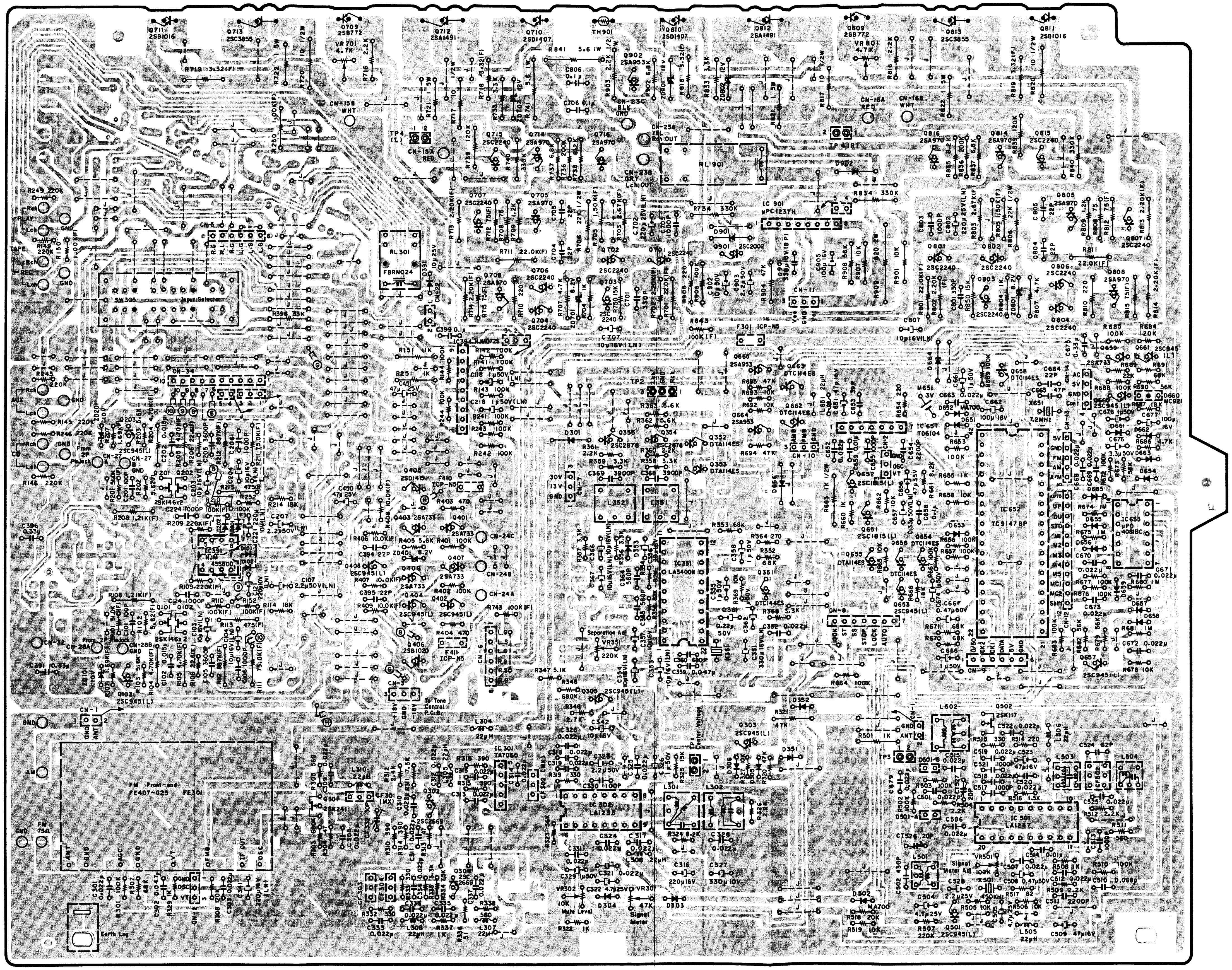

Q711 2SB1016
Q713 2SC3855
Q709 2SB772
VR701 4.7K
Q712 2SA1491
Q710 2SD1407
TH901
Q810 2SD1407
Q812 2SA1491
Q809 2SB772
VR801 4.7K
Q813 2SC3855
Q811 2SB1016
Q902 2SA953K
CN-15B WHT
CN-15A RED
CN-16A RED
CN-16B WHT
CN-23A YEL Rch OUT
CN-23C BLK GND
CN-23B GRY Lch OUT
TP4 (L)
TP4 (R)
RL901
IC901 μPC1237H
RL301 FBR002A
SW305 Input Selector
PLAY
TAPE
REC
AUX
CD
From PP Preamp
CN-27
CN-34
CN-32
CN-29A
CN-1
CN-2
CN-6
CN-8
CN-9
CN-10
CN-11
CN-24A
CN-24B
CN-24C
IC351 LA3400N
IC301 TA7060
IC302 LA1235
IC501 LA1247
IC651 TD6104
IC652 TC9147BP
IC653 μPD4066BC
X651 7.2MHz
To Tone Control P.C.B.
Separation Adj
VR351 220K
FM Front-end FE407-G25
FE301
ANT
AM
FM 75Ω
GND
Earth Lug
Mute Level
Signal Meter
Signal Meter Adj
VR501
VR302
VR301
TP1
TP2
TP3
Meter Voltage
F301 ICP-N5
F410 ICP-N5
F411 ICP-N5
L301
L302
L304
L310
L501
L502
L503
L504
L505
L506
CF301
CF302
CF303
CF304
Q502 2SK117
Q501 2SC945(L)
Q303 2SC945(L)
Q305 2SC945(L)
D502 MA700
D652 MA700
M651 3V
STOP LOCK AUTO

Fig. 5.13.3 For SR-2E (Europe)

Schematic Ref. No.	Part No.	Description
	BA06235A	Main P.C.B. Ass'y (SR-2E (Europe))
	— FM —	
IC301	0B11156A	IC TA7060AP
IC302	0B11157A	IC LA1235
Q301	0B10127A	FET 2SK241 (GR)
Q302,304	0B10174A	TR 2SC2669 (O,Y)
Q303,305	0B01872A	TR 2SC945L (P,Q)
D303-306	0B06398A	SiD 1SS176 (4)
L301	0B51240A	FM Det. Coil A
L302	0B51241A	FM Det. Coil B
L304-308 310	0B51239A	Micro Coil 22μH (6)
VR301	0B32084A	Semi VR 47K
VR302	0B32080A	Semi VR 10K
R301	0B09725A	RK 100K 1/6W J
R303,346	0B09745A	RK 680K 1/6W J
R304,313	0B09645A	RK 47 1/6W J
R305,338	0B09671A	RK 560 1/6W J
R307	0B09721A	RK 68K 1/6W J
R308	0B09727A	RK 120K 1/6W J
R310,314 315,316	0B09667A	RK 390 1/6W J
R311,334	0B09698A	RK 7.5K 1/6W J
R312	0B09686A	RK 2.4K 1/6W J
R319,332 333	0B09665A	RK 330 1/6W J
R320	0B09717A	RK 47K 1/6W J
R321	0B05641A	RK 47K 1/4W J
R322,329 337	0B09677A	RK 1K 1/6W J
R323	0B09719A	RK 56K 1/6W J
R324	0B09699A	RK 8.2K 1/6W J
R325	0B09705A	RK 15K 1/6W J
R326	0B09685A	RK 2.2K 1/6W J
R327	0B09701A	RK 10K 1/6W J
R335	0B09689A	RK 3.3K 1/6W J
R336	0B09646A	RK 51 1/6W J
R347	0B09694A	RK 5.1K 1/6W J
R348	0B09687A	RK 2.7K 1/6W J
CF301,302	0B41818A	Ceramic Filter SFE10.7MX2K-A
CF303,304	0B41746A	Ceramic Filter SFE10.7MS3GH15A
CT332	0B41614A	C Trimmer 30P
C301,303 305,309 310,311 313,314 315,318 319,320 321,324 325,328 331,333 334,335 336,337	0B41554A	CC 0.022μ 25V Z
C302	0B41294A	CMM 0.047μ 50V J
C312,317	0B41290A	CMM 0.022μ 50V J
C316	0B40079A	CE 220μ 16V
C322	0B01402A	CE 4.7μ 25V
C323	0B09372A	CE 2.2μ 50V
C326,329	0B01405A	CE 1μ 50V
C327	0B40066A	CE 330μ 10V
C330	0B41071A	CC 100P 50V J
C341	0B40420A	CE 220μ 16V (LN)
C342	0B01412A	CE 10μ 16V
F301	0B11248A	IC Protector ICP-N5
FE301	0B91017A	Front-end FE407-G25
CN2	0B82792A	3P Connector W240
CN7	0B82795A	3P Connector 370mm
TP1	0B81634A	2P-T Post
	0E03355A	Earth Lug (1)
	— AM —	
IC501	0B11243A	IC LA1247
Q501	0B01872A	TR 2SC945L (P,Q)
Q502	0B06129A	FET 2SK117 (Y)
D501	0B12386A	Varicap KV1226Y
D502	0B12363A	SiD MA700
L501	0B51235A	Osc. Coil
L502	0B51236A	Ant. Coil
L503	0B51234A	IFT 2 AM
L504	0B51233A	IFT 1 AM
L505,506	0B51239A	Micro Coil 22μH
VR501	0B32086A	Semi VR 100K
R501	0B01857A	RK 1K 1/4W J
R502,503 510	0B09725A	RK 100K 1/6W J
R504,509 512	0B09685A	RK 2.2K 1/6W J
R505,506 519	0B09701A	RK 10K 1/6W J
R507	0B09733A	RK 220K 1/6W J
R508	0B09677A	RK 1K 1/6W J
R511	0B09671A	RK 560 1/6W J
R514	0B09661A	RK 220 1/6W J
R515	0B09665A	RK 330 1/6W J
R516	0B09681A	RK 1.5K 1/6W J
R517	0B09651A	RK 82 1/6W J
R518	0B09708A	RK 20K 1/6W J
CF502	0B41701A	Ceramic Filter SFZ450G3L
CT526,527	0B42005A	C Trimmer 20P
C501,506 507,512 515,518 519,520 522,525	0B41554A	CC 0.022μ 25V
C502	0B41401A	CP 430P 50V J
C504,505	0B01402A	CE 4.7μ 25V
C508	0B40111A	CE 0.47μ 50V
C509,523	0B01403A	CE 47μ 16V
C510	0B41296A	CMM 0.068μ 50V J
C511	0B09586A	CC 2200P 50V K
C513,517 521	0B09288A	CC 1000P 50V K
C514	0B41553A	CC 0.01μ 25V
C524	0B41711A	CC 82P 50V K
C528	0B09372A	CE 2.2μ 50V
X501	0B92003A	Crystal 450kHz BFU450C4N
CN1	0B82791A	2P Connector 250mm
TP3	0B81634A	2P-T Post
	— MPX —	
IC351	0B11245A	IC LA3400N
Q351	0B10062A	TR DTC144ES
Q352,353	0B10058A	TR DTA114ES
Q354,355	0B06299A	TR 2SC2878
D351,352 353	0B06398A	SiD 1SS176
L351,352	0B51237A	MPX Filter
VR351	0B32066A	Semi VR 220K
R352,353	0B09721A	RK 68K 1/6W J
R354,355	0B09723A	RK 82K 1/6W J
R356-359 368	0B09689A	RK 3.3K 1/6W J (5)
R360,361	0B09685A	RK 2.2K 1/6W J
R362,363	0B09695A	RK 5.6K 1/6W J
R364	0B09663A	RK 270 1/6W J
R369	0B09701A	RK 10K 1/6W J
C351	0B40418A	CE 330μ 16V (LN)
C352	0B41290A	CMM 0.022μ 50V J
C353,354 366,367	0B09816A	CE 10μ 16V (LN)
C355,358 362	0B01405A	CE 1μ 50V
C356,357	0B01412A	CE 10μ 16V
C359	0B41555A	CC 0.047μ 25V
C360	0B09287A	CC 680P 50V K
C361	0B40023A	CE 0.22μ 50V J
C364,365	0B41404A	CP 560P 50V J
C368,369	0B41281A	CMM 3900P 50V J
X351	0B90172A	Ceramic Filter CSB456F11
TP2	0B81635A	3P-T Post
	— Sync. Cont. —	
IC651	0B11159A	IC TD6104
IC652	0B11161A	IC TC9147BP
IC653	0B06219A	IC μPD4081BC
Q651,652	0B10088A	TR 2SC1815L (GR)
Q653,657 660,661	0B01872A	TR 2SC945L (P,Q)
Q654,656 658,662 663	0B10068A	TR DTC114ES
Q655	0B10058A	TR DTA114ES
Q659	0B06013A	TR 2SA733 (P,Q)
Q664,665	0B06372A	TR 2SA953 (K,L)
D301,664 666	0B06181A	SiD 1SS53
D651 653-659 661,662 663,665	0B06398A	SiD 1SS176 (12)
D652	0B12363A	SiD MA700
D660	0B12100A	SiD MC921
L651	0B51239A	Micro Coil 22μH
X651	0B92006A	Crystal 7.2MHz
R653,656 657,664 667,669 672,676 677,683 685,688	0B09725A	RK 100K 1/6W J
R654	0B09661A	RK 220 1/6W J
R655,660	0B09677A	RK 1K 1/6W J
R658,662 665,678 692,693	0B09701A	RK 10K 1/6W J
R661	0B09699A	RK 8.2K 1/6W J
R663	0B24114A	RF 1K 1/2W J
R666,687	0B09707A	RK 18K 1/6W J
R670,671 691	0B09721A	RK 68K 1/6W J
R673,679 682,690	0B09719A	RK 56K 1/6W J
R674,675 680,681	0B09749A	RK 1M 1/6W J
R684	0B09727A	RK 120K 1/6W J
R686	0B09693A	RK 4.7K 1/6W J
R689	0B09709A	RK 22K 1/6W J
R694,695	0B09717A	RK 47K 1/6W J
C651	0B01403A	CE 47μ 16V
C652,663 668-673 679	0B41554A	CC 0.022μ 25V (9)
C653	0B41187A	CC 39P 50V J
C654	0B09586A	CC 2200P 50V K
C655	0B09288A	CC 1000P 50V K
C656	0B40103A	CE 47μ 16V
C657	0B09327A	CE 0.33μ 50V (LN)
C658	0B41298A	CMM 0.1μ 50V J
C659	0B41553A	CC 0.01μ 25V
C661,666 674,678	0B01405A	CE 1μ 50V
C662,677	0B01400A	CE 100μ 16V
C664	0B41708A	CC 22P 50V J
C665	0B41709A	CC 47P 50V J
C667	0B40111A	CE 0.47μ 50V
C675	0B41304A	CMM 0.33μ 50V J
C676	0B01863A	CE 3.3μ 50V
M651	0B90200B	Lithium Battery 3V CR2430-FT4-1
CN8	0B81639A	7P-T Post
CN9	0B81638A	6P-T Post
CN10	0B81635A	3P-T Post
CN12	0B81644A	12P-T Post
CN13	0B81637A	5P-T Post
CN14	0B82802A	4P Connector
	— Eq. Amp. —	
IC391	0B06146A	IC NJM4558DD
Q101,102 201,202	0B10195A	FET 2SK146 (BL,V)
Q103,203	0B01872A	TR 2SC945L (P,Q)
ZD101,201	0B12168A	ZD 10V RD10JS-T1B2
D101,102 201,202	0B06398A	SiD 1SS176
R101,201	0B22423A	RM 51.0K 1/6W F
R102,202	0B22684A	RM 5.62 1/4W F
R103,203	0B09695A	RK 5.6K 1/6W J
R104,105 204,205	0B09356A	RM 4.7K 1/4W F
R106,206	0B22039A	RM 22.6 1/6W F
R107,207	0B22253A	RM 1.69K 1/6W F
R108,208	0B22635A	RM 1.21K 1/4W F
R109,209	0B22493A	RM 220K 1/6W F
R110,152 210,252	0B22457A	RM 100K 1/6W F
R111,211	0B09562A	RM 75.0K 1/4W F
R112,212	0B22641A	RM 887K 1/4W F
R113,213	0B22576A	RM 475 1/4W F
R114,214	0B09707A	RK 18K 1/6W F
C101,201	0B41703A	CSP 100P 50V J
C102,202	0B41585A	CMM 0.015μ 50V J
C103,104 203,204	0B09816A	CE 10μ 16V (LN)
C105,205	0B41238A	CP 3600P 100V J
C106,124 206,224	0B41225A	CP 1000P 100V J
C107,207	0B09933A	CE 2.2μ 50V (LN)
C121,221	0B40422A	CE 220μ 10V (LN)
C391,396	0B41304A	CMM 0.33μ 50V J
CN34	0B82862A	10P Connector
	BA06355A	Eq. Sub. P.C.B. Ass'y
	— Power Supply —	
Q401,403 407,409	0B06013A	TR 2SA733 (P,Q)
Q402,404 408	0B01872A	TR 2SC945L (P,Q)
Q405	0B10012A	TR 2SD1415
Q406	0B10011A	TR 2SB1020
ZD401	0B12162A	ZD 8.2V RD8.2JS-T1B2
R401,402	0B09725A	RK 100K 1/6W J
R403,404	0B09669A	RK 470 1/6W J
R405	0B09695A	RK 5.6K 1/6W J
R406,407 408,409	0B22343A	RM 10.0K 1/6W F
C394,395	0B41507A	C 22P 50V J
C450,451	0B40466A	CE 47μ 25V (LN)
F410,411	0B11248A	IC Protector ICP-N5
CN3	0B81635A	3P-T Post
GJ	0B82135B	PD Connector V130
	0B08680B	Heat Sink A (2)
	0E00972A	Nut Hex. M3 (2)
	0E03319A	M3x8 ⊕ Binding (2)
	— Tuner Buffer —	
IC394	0B11070A	IC NJM072S
R141-144 241-244	0B01889A	RK 100K 1/4W J (8)
R151,251	0B01857A	RK 1K 1/4W J
C118,218	0B09814A	CE 1μ 50V (LN)
	— Input Sel. —	
D391	0B06398A	SiD 1SS176
R145,146 149,245 246,249	0B09733A	RK 220K 1/6W J
R150	0B22229A	RM 1.00K 1/6W F
R250	0B09491A	RM 1.00K 1/4W F
R396	0B05509A	RK 33K 1/4W J
C399	0B41298A	CMM 0.1μ 50V J
RL301	0B90204A	Relay FBR42ND024P
SW305	0B70082A	Rotary Slide Switch 4-4
CN5,6	0B81013A	Dip Mate 6P
CN22	0B81002A	Dip Mate 2P
CN27A	0B82750A	PD Connector V80
CN27B 28B,32	0B82751A	PD Connector V80
CN28A	0B82752A	PD Connector V80
	0B82733B	Ribbon Cable 6P (1)
	0B81020A	2P Pin Jack (1)
	0B81593A	4P Pin Jack (2)
	— Protector —	
IC901	0B11246A	IC μPC1237H
Q714,716 814,816	0B10050A	TR 2SA970 (BL)
Q715,815	0B06142A	TR 2SC2240 (BL)
Q901	0B06322A	TR 2SC2002 (K,L)
Q902	0B06372A	TR 2SA953 (K,L)
ZD702,802 901	0B06123A	ZD 12V RD12EB3
D901,902	0B06181A	SiD 1SS53
R733,833	0B01681A	RK 3.3K 1/4W J
R734,740 834,840	0B05627A	RK 330K 1/4W J
R735,835	0B01856A	RK 8.2K 1/4W J
R736,836	0B09392A	RK 200K 1/4W J
R737,837 902	0B01682A	RK 6.8K 1/4W J
R739,839	0B05621A	RK 120K 1/4W J
R901,907	0B01888A	RK 10K 1/4W J
R903	0B24113A	RF 2.2K 1/2W J
R904	0B05641A	RK 47K 1/4W J
R905	0B01933A	RK 220 1/4W J
R906	0B01889A	RK 100K 1/4W J
R908	0B05508A	RK 56K 1/4W J
R909	0B24106A	RF 820 2W J
C901	0B40408A	CE 330μ 10V (BP)
C902	0B40116A	CE 10μ 50V
C903	0B09372A	CE 2.2μ 50V
C905	0B01400A	CE 100μ 16V
RL901	0B90199A	Relay 24V
CN11	0B82799A	3P Connector
	— Power Amp. —	
Q701-704 706,707 801-804 806,807	0B06142A	TR 2SC2240 (BL) (12)
Q705,708 805,808	0B10050A	TR 2SA970 (BL)
ZD701,801	0B12162A	ZD 8.2V RD8.2JSB2
VR701,801	0B32078A	Semi VR 4.7K
R701,711 801,811	0B09441A	RM 22K 1/4W F
R702,713 714,802 813,814	0B09420A	RM 2.2K 1/4W F
R703,803	0B09421A	RM 2.67K 1/4W F
R704,804	0B01857A	RK 1K 1/4W J
R705,805	0B09230A	RM 1.5K 1/4W F
R706,806	0B24111A	RF 22K 1/2W J
R707,807	0B01846A	RK 4.7K 1/4W J
R708,808	0B05959A	RK 75 1/4W J
R709,809	0B05623A	RK 1.2K 1/4W J
R710,810	0B01933A	RK 220 1/4W J
R712,715 812,815	0B22632A	RM 75 1/4W F
R716,816	0B05622A	RK 2.2K 1/4W J
R717,720 817,820	0B24110A	RF 10 1/2W J
R718,719 818,819	0B22700A	RM 3.32 1/4W F
R721,722 821,822	0B24094A	RC 1 5W K
R741,841	0B24112A	RF 5.6 1W J
R743,843	0B22457A	RM 100K 1/6W F
R750,850	0B01683A	RK 15K 1/4W J
C701,801	0B41213A	CP 330P 100V J
C702,802	0B40421A	CE 220μ 25V (LN)
C703,803	0B41225A	CP 1000P 100V J
C704,705 804,805	0B41702A	CSP 22P 50V J
C706,806	0B41594A	CM 0.1μ 100V J
C707,807	0B09816A	CE 10μ 16V (LN)
TP4L,4R	0B81634A	2P-T Post
	— Miscellaneous —	
	0B60377F	Main P.C.B.
Q709,809	0B06303A	TR 2SB772 (P,Q)
Q710,810	0B10121A	TR 2SD1407
Q711,811	0B10120A	TR 2SB1016
Q712,812	0B10177A	TR 2SA1491 (P,Y,G)
Q713,813	0B10179A	TR 2SC3855 (P,Y,G)
TH901	0B19004A	Thermistor 50KD-5
	0B90201A	Insulator (2)
	0B82748B	PD Connector V300 (1)
	0E00868A	BT3x8 ⊕ Binding (4)
	0E03138A	M3x10 ⊕ Binding (10)
	0J05198A	Heat Sink (1)
	0J05205A	Heat Sink Holder A (1)
	0J05207A	Main P.C.B. Holder (1)
	0J05212C	Thermistor Holder (1)
	0E00607A	M3x8 ⊕ Pan (3A) (2)
	0B90078A	Antenna Terminal (1)
	0B90019A	Insu-Lock SKB80 (1)
	0M04956A	Lithium Battery Caution Label (1)
	BA06355A	Eq. Sub P.C.B. Ass'y
	0B60394B	Eq. Sub P.C.B.
Q106,206	0B06299A	TR 2SC2878
Q107	0B10050A	TR 2SA970 (BL)
Q391	0B01872A	TR 2SC945L (P,Q)
ZD103	0B12321A	ZD 15V MTZ15C
R156,256	0B09677A	RK 1K 1/6W J
R157,257	0B09749A	RK 1M 1/6W J
R158,159 392,393	0B09725A	RK 100K 1/6W J
R160	0B09737A	RK 330K 1/6W J
R391	0B09681A	RK 1.5K 1/6W J
C393	0B40024A	CE 0.33μ 50V
CN34	0B81631A	10P Connector

5.14. Eq. Sub P.C.B. Ass'y

Note: This P.C.B. Ass'y is included in the Eq. Amp. section of the Main P.C.B. Ass'y.

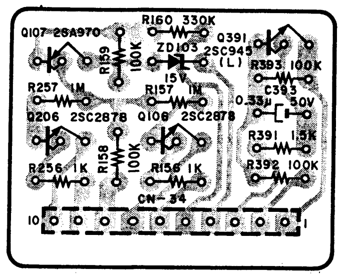
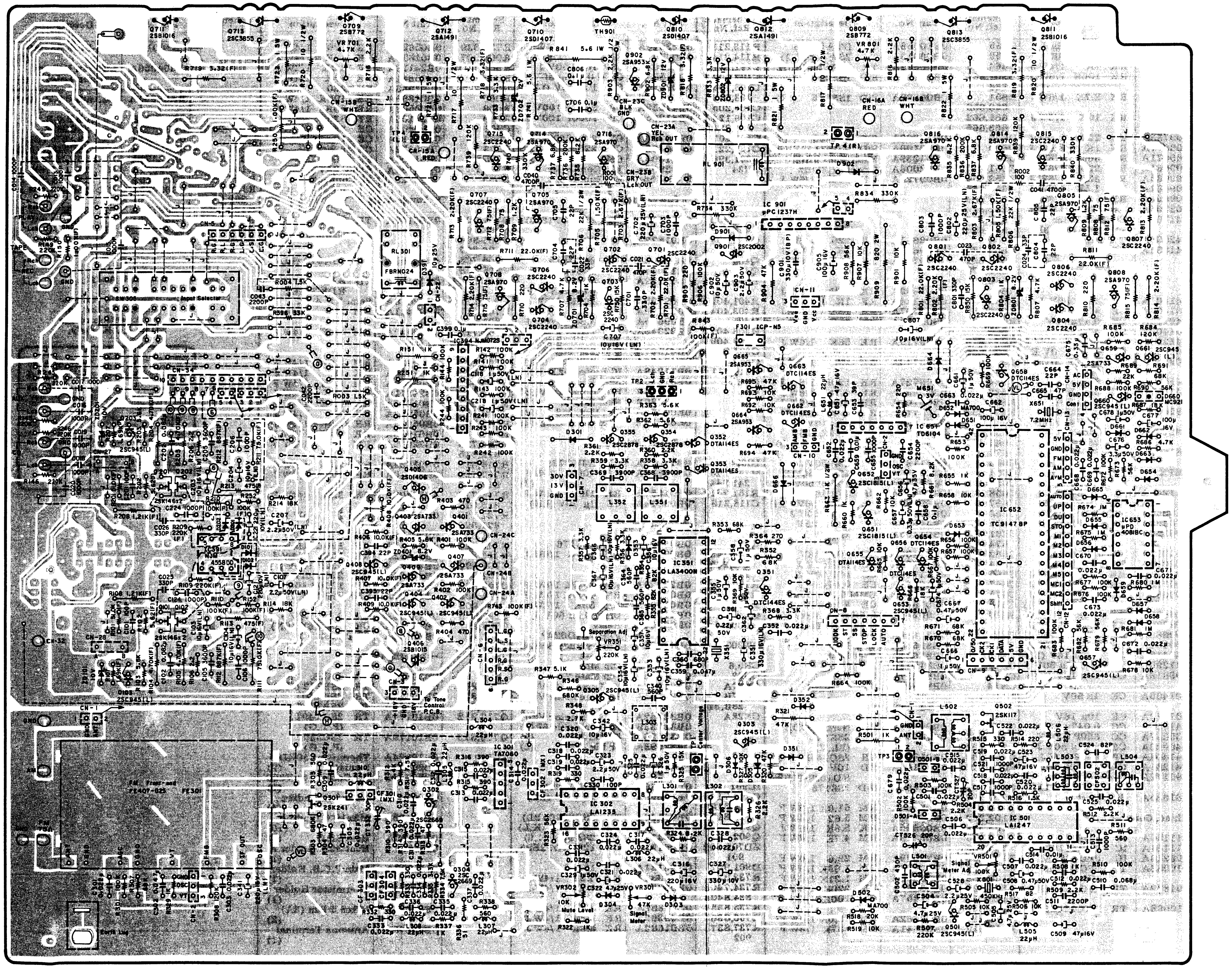


Fig. 5.14

5.13.4. For SR-2E (Germany)



Q711 2SB1016
Q713 2SC3855
Q709 2SB772
VR 701 4.7K
Q712 2SA1491
Q710 2SD1407
TH901
Q810 2SD1407
Q812 2SA1491
Q809 2SB772
VR 801 4.7K
Q813 2SC3855
Q811 2SB1016
CN-15A
CN-15B WHT
CN-16A RED
CN-16B WHT
CN-23A YEL
CN-23B GRY
RL 901
RL301
IC 901 μPC1237H
IC 652 TC9147BP
IC351 LA3400N
IC 301 TA7060
IC 302 LA1235
IC 501 LA1247
F301 ICP-N5
FE301
Separation Adj
Mute Level
Signal Meter
Tone Control P.C.B.

Fig. 5.13.4 For SR-2E (Germany)

Schematic Ref. No.	Part No.	Description
	BA06814A	Main P.C.B. Ass'y (SR-2E (Germany))
	— FM —	
IC301	0B11156A	IC TA7060AP
IC302	0B11157A	IC LA1235
Q301	0B10127A	FET 2SK241 (GR)
Q302,304	0B10174A	TR 2SC2669 (O,Y)
Q303,305	0B01872A	TR 2SC945L (P,Q)
D303-306	0B06398A	SiD 1SS176 (4)
L301	0B51240A	FM Det. Coil A
L302	0B51241A	FM Det. Coil B
L303	0B51238A	Anti-birdy Filter
L304-308 310	0B51239A	Micro Coil 22μH (6)
VR301	0B32084A	Semi VR 47K
VR302	0B32080A	Semi VR 10K
R301	0B09725A	RK 100K 1/6W J
R303,346	0B09745A	RK 680K 1/6W J
R304,313	0B09645A	RK 47 1/6W J
R305,338	0B09671A	RK 560 1/6W J
R307	0B09721A	RK 68K 1/6W J
R308	0B09727A	RK 120K 1/6W J
R310,314 315,316	0B09667A	RK 390 1/6W J
R311,334	0B09698A	RK 7.5K 1/6W J
R312	0B09686A	RK 2.4K 1/6W J
R319,332 333	0B09665A	RK 330 1/6W J
R320	0B09717A	RK 47K 1/6W J
R321	0B05641A	RK 47K 1/4W J
R322,329 337	0B09677A	RK 1K 1/6W J
R323	0B09719A	RK 56K 1/6W J
R324	0B09699A	RK 8.2K 1/6W J
R325	0B09705A	RK 15K 1/6W J
R326	0B09685A	RK 2.2K 1/6W J
R327	0B09701A	RK 10K 1/6W J
R335	0B09689A	RK 3.3K 1/6W J
R336	0B09646A	RK 51 1/6W J
R347	0B09694A	RK 5.1K 1/6W J
R348	0B09687A	RK 2.7K 1/6W J
CF301,302	0B41818A	Ceramic Filter SFE10.7MX2K-A
CF303,304	0B41746A	Ceramic Filter SFE10.7MS3GH15A
CT332	0B41614A	C Trimmer 30P
C301,303 305,309 310,311 313,314 315,318 319,320 321,324 325,328 331,333 334,335 336,337	0B41554A	CC 0.022μ 25V Z
C302	0B41294A	CMM 0.047μ 50V J
C312,317	0B41290A	CMM 0.022μ 50V J
C316	0B40079A	CE 220μ 16V
C322	0B01402A	CE 4.7μ 25V
C323	0B09372A	CE 2.2μ 50V
C326,329	0B01405A	CE 1μ 50V
C327	0B40066A	CE 330μ 10V
C330	0B41071A	CC 100P 50V J
C340	0B41404A	CP 560P 50V J
C341	0B40420A	CE 220μ 16V (LN)
C342	0B01412A	CE 10μ 16V
F301	0B11248A	IC Protector ICP-N5
FE301	0B91017A	Front-end FE407-G25
CN2	0B83053A	3P Connector W240
CN7	0B82795A	3P Connector 370mm
TP1	0B81634A	2P-T Post
	0E03355A	Earth Lug (1)
	— AM —	
IC501	0B11243A	IC LA1247
Q501	0B01872A	TR 2SC945L (P,Q)
Q502	0B06129A	FET 2SK117 (Y)
D501	0B12386A	Varicap KV1226Y
D502	0B12363A	SiD MA700
L501	0B51235A	Osc. Coil
L502	0B51236A	Ant. Coil

Schematic Ref. No.	Part No.	Description
L503	0B51234A	IFT 2 AM
L504	0B51233A	IFT 1 AM
L505,506	0B51239A	Micro Coil 22μH
VR501	0B32086A	Semi VR 100K
R501	0B01857A	RK 1K 1/4W J
R502,503 510	0B09725A	RK 100K 1/6W J
R504,509 512	0B09685A	RK 2.2K 1/6W J
R505,506 519	0B09701A	RK 10K 1/6W J
R507	0B09733A	RK 220K 1/6W J
R508	0B09677A	RK 1K 1/6W J
R511	0B09671A	RK 560 1/6W J
R514	0B09661A	RK 220 1/6W J
R515	0B09665A	RK 330 1/6W J
R516	0B09681A	RK 1.5K 1/6W J
R517	0B09651A	RK 82 1/6W J
R518	0B09708A	RK 20K 1/6W J
CF502	0B41701A	Ceramic Filter SFZ450G3L
CT526,527	0B42005A	C Trimmer 20P
C501,506 507,512 515,518 519,520 522,525	0B41554A	CC 0.022μ 25V
C502	0B41401A	CP 430P 50V J
C504,505	0B01402A	CE 4.7μ 25V
C508	0B40111A	CE 0.47μ 50V
C509,523	0B01403A	CE 47μ 16V
C510	0B41296A	CMM 0.068μ 50V J
C511	0B09586A	CC 2200P 50V K
C513,517 521	0B09288A	CC 1000P 50V K
C514	0B41553A	CC 0.01μ 25V
C524	0B41711A	CC 82P 50V K
C528	0B09372A	CE 2.2μ 50V
X501	0B92003A	Crystal 450kHz BFU450C4N
CN1	0B82791A	2P Connector 250mm
TP3	0B81634A	2P-T Post
	— MPX —	
IC351	0B11245A	IC LA3400N
Q351	0B10062A	TR DTC144ES
Q352,353	0B10058A	TR DTA114ES
Q354,355	0B06299A	TR 2SC2878
D351,352 353	0B06398A	SiD 1SS176
L351,352	0B51237A	MPX Filter
VR351	0B32066A	Semi VR 220K
R352,353	0B09721A	RK 68K 1/6W J
R354,355	0B09723A	RK 82K 1/6W J
R356-359 368	0B09689A	RK 3.3K 1/6W J (5)
R360,361	0B09685A	RK 2.2K 1/6W J
R362,363	0B09695A	RK 5.6K 1/6W J
R364	0B09663A	RK 270 1/6W J
R369	0B09701A	RK 10K 1/6W J
C351	0B40418A	CE 330μ 16V (LN)
C352	0B41290A	CMM 0.022μ 50V J
C353,354 366,367	0B09816A	CE 10μ 16V (LN)
C355,358 362	0B01405A	CE 1μ 50V
C356,357	0B01412A	CE 10μ 16V
C359	0B41555A	CC 0.047μ 25V
C360	0B09287A	CC 680P 50V K
C361	0B40023A	CE 0.22μ 50V J
C364,365	0B41404A	CP 560P 50V J
C368,369	0B41281A	CMM 3900P 50V J
X351	0B90172A	Ceramic Filter CSB456F11
TP2	0B81635A	3P-T Post
	— Sync. Cont. —	
IC651	0B11159A	IC TD6104
IC652	0B11161A	IC TC9147BP
IC653	0B06219A	IC μPD4081BC
Q651,652	0B10088A	TR 2SC1815L (GR)
Q653,657 660,661	0B01872A	TR 2SC945L (P,Q)
Q654,656 658,662 663	0B10068A	TR DTC114ES
Q655	0B10058A	TR DTA114ES
Q659	0B06013A	TR 2SA733 (P,Q)
Q664,665	0B06372A	TR 2SA953 (K,L)
D301,664 666	0B06181A	SiD 1SS53
D651 653-659 661,662 663,665	0B06398A	SiD 1SS176 (12)
D652	0B12363A	SiD MA700
D660	0B12100A	SiD MC921
L651	0B51239A	Micro Coil 22μH
X651	0B92006A	Crystal 7.2MHz
R653,656 657,664 667,669 672,676 677,683 685,688	0B09725A	RK 100K 1/6W J
R654	0B09661A	RK 220 1/6W J
R655,660	0B09677A	RK 1K 1/6W J
R658,662 665,678 692,693	0B09701A	RK 10K 1/6W J
R661	0B09699A	RK 8.2K 1/6W J
R663	0B24114A	RF 1K 1/2W J
R666,687	0B09707A	RK 18K 1/6W J
R670,671 691	0B09721A	RK 68K 1/6W J
R673,679 682,690	0B09719A	RK 56K 1/6W J
R674,675 680,681	0B09749A	RK 1M 1/6W J
R684	0B09727A	RK 120K 1/6W J
R686	0B09693A	RK 4.7K 1/6W J
R689	0B09709A	RK 22K 1/6W J
R694,695	0B09717A	RK 47K 1/6W J
C651	0B01403A	CE 47μ 16V
C652,663 668-673 679	0B41554A	CC 0.022μ 25V (9)
C653	0B41187A	CC 39P 50V J
C654	0B09586A	CC 2200P 50V K
C655	0B09288A	CC 1000P 50V K
C656	0B40103A	CE 47μ 16V
C657	0B09327A	CE 0.33μ 50V (LN)
C658	0B41298A	CMM 0.1μ 50V J
C659	0B41553A	CC 0.01μ 25V
C661,666 674,678	0B01405A	CE 1μ 50V
C662,677	0B01400A	CE 100μ 16V
C664	0B41708A	CC 22P 50V J
C665	0B41709A	CC 47P 50V J
C667	0B40111A	CE 0.47μ 50V
C675	0B41304A	CMM 0.33μ 50V J
C676	0B01863A	CE 3.3μ 50V
M651	0B90200B	Lithium Battery 3V CR2430-FT4-1
CN8	0B81639A	7P-T Post
CN9	0B81638A	6P-T Post
CN10	0B81635A	3P-T Post
CN12	0B81644A	12P-T Post
CN13	0B81637A	5P-T Post
CN14	0B82802A	4P Connector
	— Eq. Amp. —	
IC391	0B06146A	IC NJM4558DD
Q101,102 201,202	0B10195A	FET 2SK146 (BL,V)
Q103,203	0B01872A	TR 2SC945L (P,Q)
ZD101,201	0B12168A	ZD 10V RD10JS-T1B2
D101,102 201,202	0B06398A	SiD 1SS176
R101,201	0B22423A	RM 51.0K 1/6W F
R102,202	0B22684A	RM 5.62 1/4W F
R103,203	0B09695A	RK 5.6K 1/6W J
R104,105 204,205	0B09356A	RM 4.7K 1/4W F
R106,206	0B09613A	RK 2.2 1/6W J
R107,207	0B22253A	RM 1.69K 1/6W F
R108,208	0B22635A	RM 1.21K 1/4W F
R109,209	0B22493A	RM 220K 1/6W F
R110,152 210,252	0B22457A	RM 100K 1/6W F
R111,211	0B09562A	RM 75.0K 1/4W F
R112,212	0B22641A	RM 887K 1/4W F
R113,213	0B22576A	RM 475 1/4W F
R114,214	0B09707A	RK 18K 1/6W J
C101,201	0B41703A	CSP 100P 50V J
C102,202	0B09867A	CMM 0.082μ 50V J
C103,104 203,204	0B09816A	CE 10μ 16V (LN)
C105,205	0B41238A	CP 3600P 100V J
C106,124 206,224	0B41225A	CP 1000P 100V J
C107,207	0B09933A	CE 2.2μ 50V (LN)
C121,221	0B40422A	CE 220μ 10V (LN)
CN34	0B82862A	10P Connector
	BA06355A	Eq. Sub. P.C.B. Ass'y
	BA06803A	Phono Input P.C.B. Ass'y
	— Power Supply —	
Q401,403 407,409	0B06013A	TR 2SA733 (P,Q)
Q402,404 408	0B01872A	TR 2SC945L (P,Q)
Q405	0B06452A	TR 2SD1406 (Y)
Q406	0B06451A	TR 2SB1015 (Y)
ZD401	0B12162A	ZD 8.2V RD8.2JS-T1B2
R401,402	0B09725A	RK 100K 1/6W J
R403,404	0B09669A	RK 470 1/6W J
R405	0B09695A	RK 5.6K 1/6W J
R406,407 408,409	0B22343A	RM 10.0K 1/6W F
C394,395	0B41507A	C 22P 50V J
CN3	0B81635A	3P-T Post
GJ	0B82135B	PD Connector V130
	0B08680B	Heat Sink A (2)
	0E00972A	Nut Hex. M3 (2)
	0E03319A	M3x8 ⊕ Binding (2)
	— Tuner Buffer —	
IC394	0B11070A	IC NJM072S
R141-144 241-244	0B01889A	RK 100K 1/4W J (8)
R151,251	0B01857A	RK 1K 1/4W J
C118,218	0B09814A	CE 1μ 50V (LN)
	— Input Sel. —	
D391	0B06398A	SiD 1SS176
R003,004	0B05698A	RK 1.5K 1/4W J
R145,146 149,245 246,249	0B09733A	RK 220K 1/6W J
R150	0B22229A	RM 1.00K 1/6W F
R250	0B09491A	RM 1.00K 1/4W F
R396	0B05509A	RK 33K 1/4W J
C042,043	0B41418A	CP 2200P 50V J
C399	0B41298A	CMM 0.1μ 50V J
RL301	0B90204A	Relay FBR42ND024P
SW305	0B70082A	Rotary Slide Switch 4-4
CN5,6	0B81013A	Dip Mate 6P
CN22	0B81002A	Dip Mate 2P
CN32	0B82751A	PD Connector V80
	0B81593A	4P Pin Jack (2)
	— Protector —	
IC901	0B11246A	IC μPC1237H
Q714,716 814,816	0B10050A	TR 2SA970 (BL)
Q715,815	0B06142A	TR 2SC2240 (BL)
Q901	0B06322A	TR 2SC2002 (K,L)
Q902	0B06372A	TR 2SA953 (K,L)
ZD702,802 901	0B06123A	ZD 12V RD12EB3
D901,902	0B06181A	SiD 1SS53
R733,833	0B01681A	RK 3.3K 1/4W J
R734,740 834,840	0B05627A	RK 330K 1/4W J
R735,835	0B01856A	RK 8.2K 1/4W J
R736,836	0B09392A	RK 200K 1/4W J
R737,837 902	0B01682A	RK 6.8K 1/4W J
R739,839	0B05621A	RK 120K 1/4W J
R901,907	0B01888A	RK 10K 1/4W J
R903	0B24113A	RF 2.2K 1/2W J
R904	0B05641A	RK 47K 1/4W J
R905	0B01933A	RK 220 1/4W J
R906	0B01889A	RK 100K 1/4W J
R908	0B05508A	RK 56K 1/4W J
R909	0B24106A	RF 820 2W J
C901	0B40408A	CE 330μ 10V (BP)
C902	0B40116A	CE 10μ 50V
C903	0B09372A	CE 2.2μ 50V
C905	0B01400A	CE 100μ 16V
RL901	0B90199A	Relay 24V
CN11	0B82799A	3P Connector
	— Power Amp. —	
Q701-704 706,707 801-804 806,807	0B06142A	TR 2SC2240 (BL) (12)
Q705,708 805,808	0B10050A	TR 2SA970 (BL)
ZD701,801	0B12162A	ZD 8.2V RD8.2JSB2
VR701,801	0B32078A	Semi VR 4.7K
R701,711 801,811	0B09441A	RM 22K 1/4W F
R702,713 714,802 813,814	0B09420A	RM 2.2K 1/4W F
R703,803	0B09421A	RM 2.67K 1/4W F
R704,804	0B01857A	RK 1K 1/4W J
R705,805	0B09230A	RM 1.5K 1/4W F
R706,806	0B24111A	RF 22K 1/2W J
R707,807	0B01846A	RK 4.7K 1/4W J
R708,808	0B05959A	RK 75 1/4W J
R709,809	0B05623A	RK 1.2K 1/4W J
R710,810	0B01933A	RK 220 1/4W J
R712,715 812,815	0B22632A	RM 75 1/4W F
R716,816	0B05622A	RK 2.2K 1/4W J
R717,720 817,820	0B24110A	RF 10 1/2W J
R718,719 818,819	0B22700A	RM 3.32 1/4W F
R721,722 821,822	0B24094A	RC 1 5W K
R741,841	0B24112A	RF 5.6 1W J
R743,843	0B22457A	RM 100K 1/6W F
R750,850	0B01683A	RK 15K 1/4W J
C701,801	0B41213A	CP 330P 100V J
C702,802	0B40421A	CE 220μ 25V (LN)
C703,803	0B41225A	CP 1000P 100V J
C704,705 804,805	0B41702A	CSP 22P 50V J
C706,806	0B41594A	CM 0.1μ 100V J
C707,807	0B09816A	CE 10μ 16V (LN)
TP4L,4R	0B81634A	2P-T Post
	— Miscellaneous —	
	0B60377F	Main P.C.B.
Q709,809	0B06303A	TR 2SB772 (P,Q)
Q710,810	0B10121A	TR 2SD1407
Q711,811	0B10120A	TR 2SB1016
Q712,812	0B10177A	TR 2SA1491 (P,Y,G)
Q713,813	0B10179A	TR 2SC3855 (P,Y,G)
R001,002	0B01679A	RK 100 1/4W J
C013-020	0B41007A	C 1000P 25V J (8)
C021,023	0B41803A	C 470P 50V J
C022,024	0B09370A	CC 33P 50V J
C025,026	0B09545A	C 330P 50V J
C040,041	0B41654A	CP 4700P 100V J
TH901	0B19004A	Thermistor 50KD-5
	0B90201A	Insulator (2)
	0E00037A	Earth Lug B-5 (1)
	0B82748B	PD Connector V300 (1)
	0E00868A	BT3x8 ⊕ Binding (4)
	0E03138A	M3x10 ⊕ Binding (10)
	0J05198A	Heat Sink (1)
	0J05205A	Heat Sink Holder A (1)
	0J05207A	Main P.C.B. Holder (1)
	0J05212C	Thermistor Holder (1)
	0E00607A	M3x8 ⊕ Pan (3A) (2)
	0B90078A	Antenna Terminal (1)
	0B90019A	Insu-Lock SKB80 (1)
	0M04956A	Lithium Battery Caution Label (1)
	BA06355A	**Eq. Sub P.C.B. Ass'y**
	0B60394B	Eq. Sub P.C.B.
Q106,206	0B06299A	TR 2SC2878
Q107	0B10050A	TR 2SA970 (BL)
Q391	0B01872A	TR 2SC945L (P,Q)
ZD103	0B12321A	ZD 15V MTZ15C
R156,256	0B09677A	RK 1K 1/6W J
R157,257	0B09749A	RK 1M 1/6W J
R158,159 392,393	0B09725A	RK 100K 1/6W J
R160	0B09737A	RK 330K 1/6W J
R391	0B09681A	RK 1.5K 1/6W J
C393	0B40024A	CE 0.33μ 50V
CN34	0B81631A	10P Connector
	BA06803A	**Phono Input P.C.B. Ass'y**
	0B60460A	Phono Input P.C.B.
L101,102 201,202	0B51247A	Coil 20μH
C101,201	0B41508A	C 56P 50V J
	0B83054B	4P Connector S80L (1)
	0B83055B	4P Connector S80R (1)
	0B83052A	PD Connector V50 (1)
	0B81020A	2P Pin Jack (1)

5.14. Eq. Sub P.C.B. Ass'y

Note: This P.C.B. Ass'y is included in the Eq. Amp. section of the Main P.C.B. Ass'y.

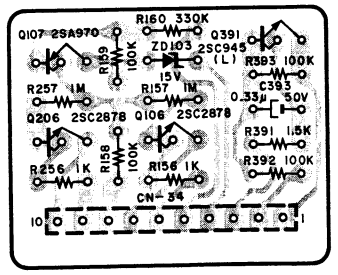


Fig. 5.14

5.15. Phono Input P.C.B. Ass'y

Note: This P.C.B. Ass'y is included in the Eq. Amp. section of the Main P.C.B. Ass'y.

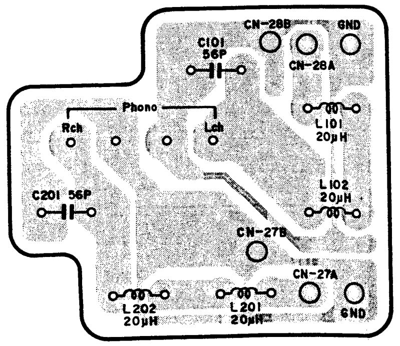


Fig. 5.15

6. SCHEMATIC DIAGRAMS

6.1. IC Block Diagrams

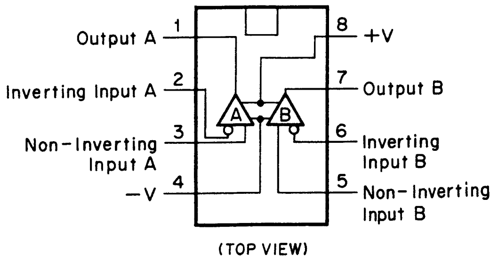

Output A
Inverting Input A
Non-Inverting Input A
−V
+V
Output B
Inverting Input B
Non-Inverting Input B
A
B
1
2
3
4
5
6
7
8
(TOP VIEW)

Fig. 6.1.1 Operational Amp. IC 4558DD, 072DE

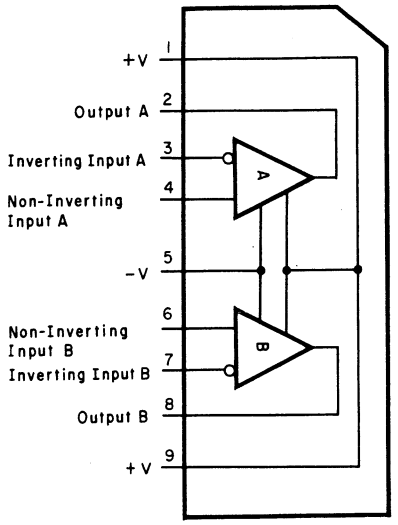

+V
Output A
Inverting Input A
Non-Inverting Input A
−V
Non-Inverting Input B
Inverting Input B
Output B
+V
A
B
1
2
3
4
5
6
7
8
9

Fig. 6.1.2 Operational Amp. IC 072S

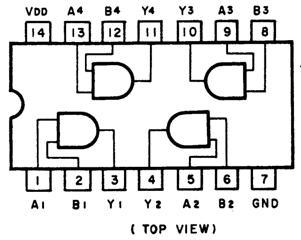

VDD
A4
B4
Y4
Y3
A3
B3
14
13
12
11
10
9
8
1
2
3
4
5
6
7
A1
B1
Y1
Y2
A2
B2
GND
(TOP VIEW)

Fig. 6.1.3 AND Gate C-MOS IC μPD4081BC

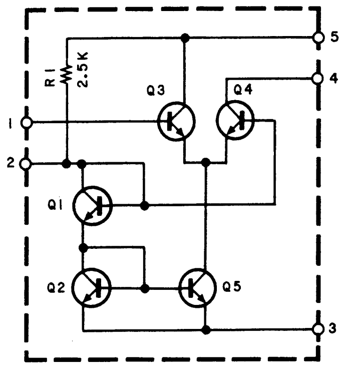

R1
2.5K
Q1
Q2
Q3
Q4
Q5
1
2
3
4
5

Fig. 6.1.4 FM IF Amp. IC TA7060AP

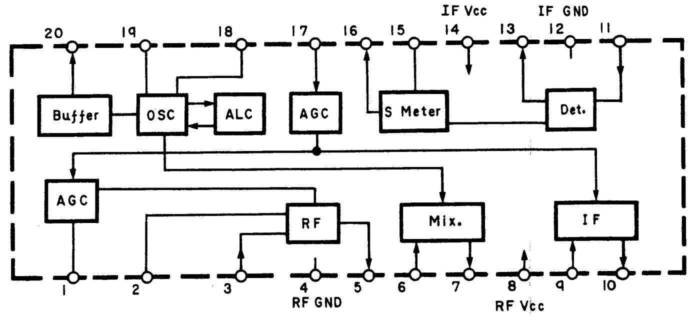

IF Vcc
IF GND
RF GND
RF Vcc
Buffer
OSC
ALC
AGC
S Meter
Det.
AGC
RF
Mix.
IF
20
19
18
17
16
15
14
13
12
11
1
2
3
4
5
6
7
8
9
10

Fig. 6.1.5 AM Tuner IC LA1247

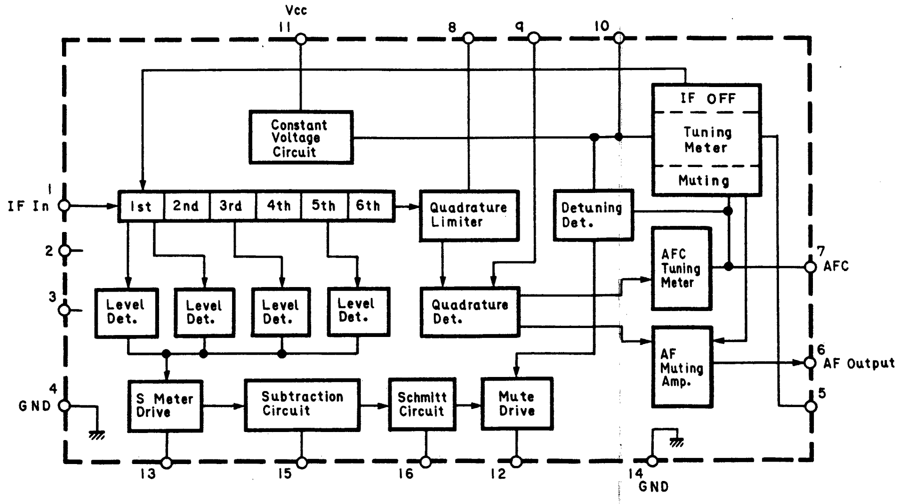

Vcc
IF In
GND
AFC
AF Output
Constant Voltage Circuit
1st
2nd
3rd
4th
5th
6th
Quadrature Limiter
Detuning Det.
IF OFF
Tuning Meter
Muting
AFC Tuning Meter
AF Muting Amp.
Level Det.
Level Det.
Level Det.
Level Det.
Quadrature Det.
S Meter Drive
Subtraction Circuit
Schmitt Circuit
Mute Drive
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
GND

Fig. 6.1.6 FM IF System IC LA1235

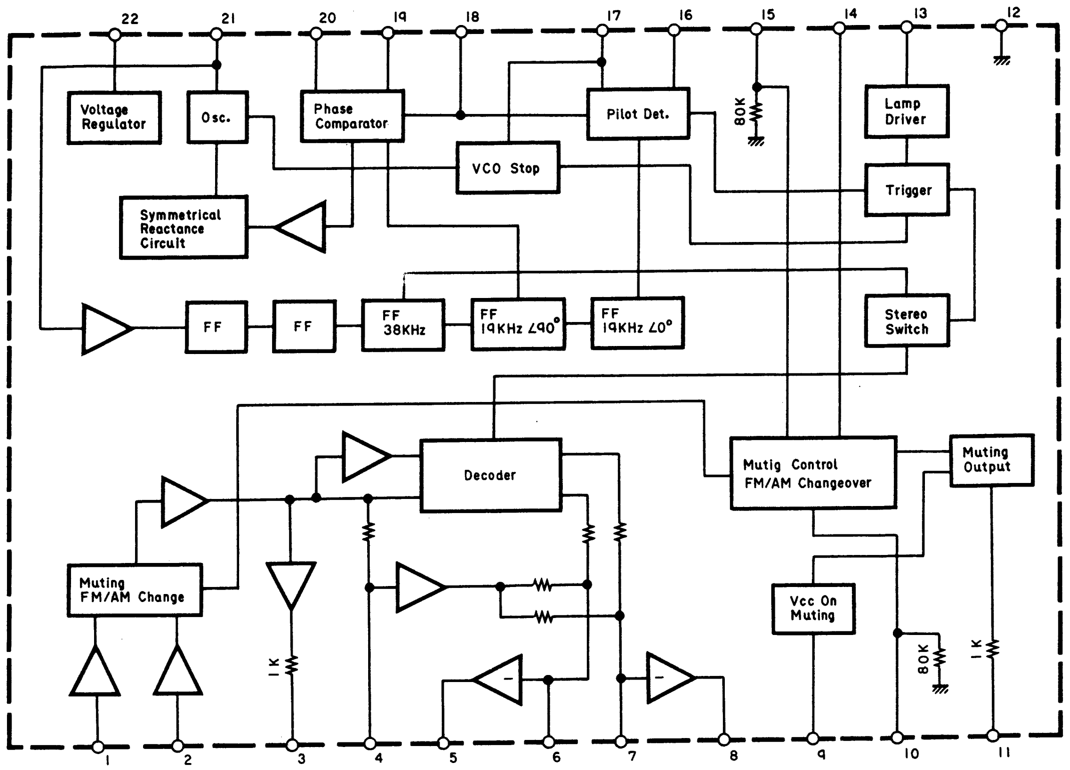

Voltage Regulator
Osc.
Phase Comparator
Pilot Det.
80K
Lamp Driver
VCO Stop
Trigger
Symmetrical Reactance Circuit
FF
FF
FF 38KHz
FF 19KHz ∠90°
FF 19KHz ∠0°
Stereo Switch
Decoder
Mutig Control FM/AM Changeover
Muting Output
Muting FM/AM Change
Vcc On Muting
1K
80K
1K
22
21
20
19
18
17
16
15
14
13
12
1
2
3
4
5
6
7
8
9
10
11

Fig. 6.1.7 FM Stereo Demodulator IC LA3400N

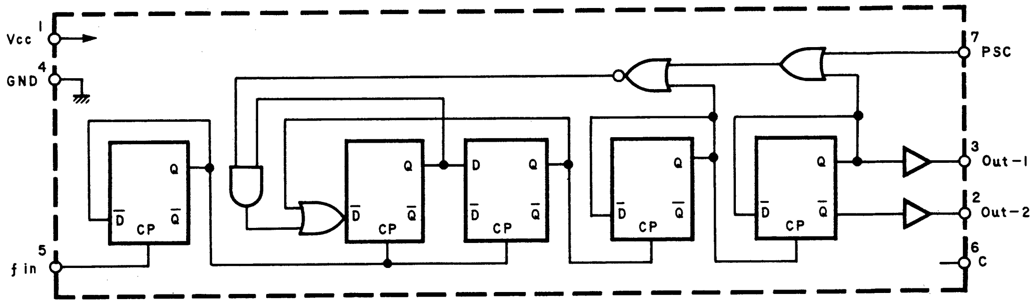

Vcc
GND
f in
PSC
Out-1
Out-2
C
Q
D
CP
1
2
3
4
5
6
7

Fig. 6.1.8 ECL Prescaler (FM) IC TD6104

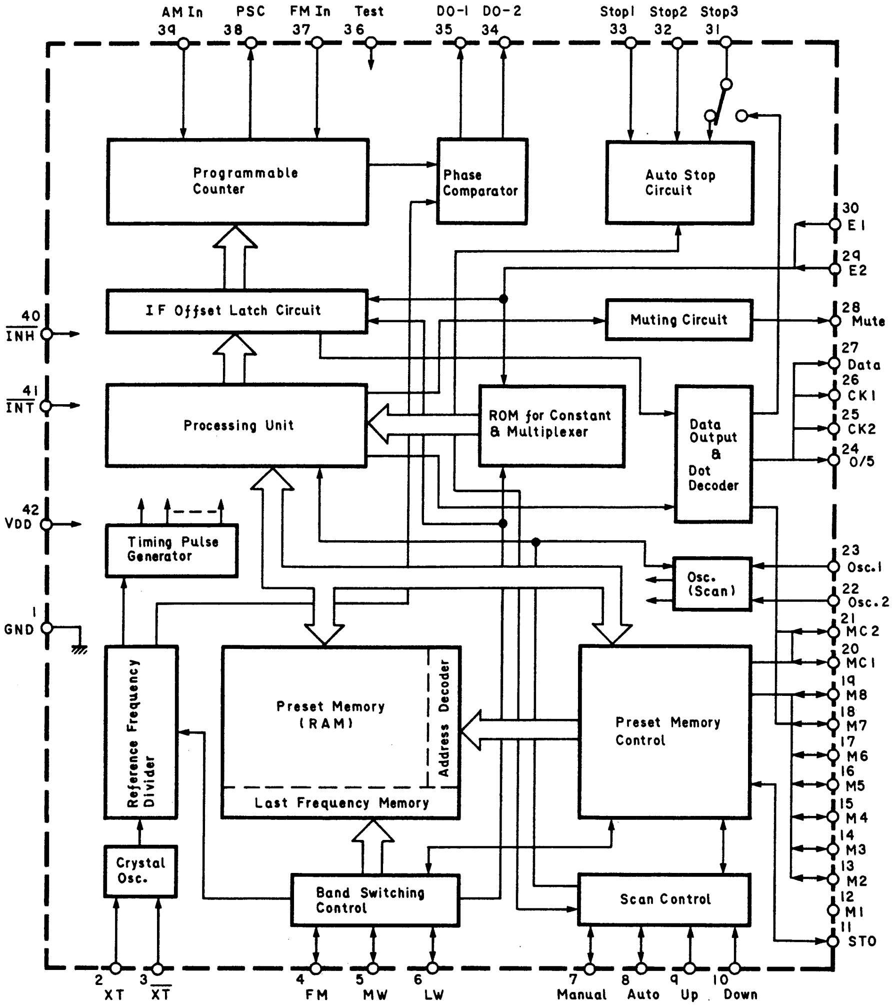

AM In
39
PSC
38
FM In
37
Test
36
DO-1
35
DO-2
34
Stop1
33
Stop2
32
Stop3
31
Programmable Counter
Phase Comparator
Auto Stop Circuit
30
E1
29
E2
IF Offset Latch Circuit
Muting Circuit
28
Mute
40
INH
41
INT
Processing Unit
ROM for Constant & Multiplexer
Data Output & Dot Decoder
27
Data
26
CK1
25
CK2
24
O/S
42
VDD
Timing Pulse Generator
1
GND
23
Osc.1
Osc. (Scan)
22
Osc.2
21
MC2
20
MC1
19
M8
18
M7
17
M6
16
M5
15
M4
14
M3
13
M2
12
M1
11
STO
Reference Frequency Divider
Preset Memory (RAM)
Address Decoder
Last Frequency Memory
Preset Memory Control
Crystal Osc.
Band Switching Control
Scan Control
2
XT
3
$\overline{XT}$
4
FM
5
MW
6
LW
7
Manual
8
Auto
9
Up
10
Down

Fig. 6.1.9 FM/MW/LW 3-Band Digital Tuning (Static Method) IC TC9147BP

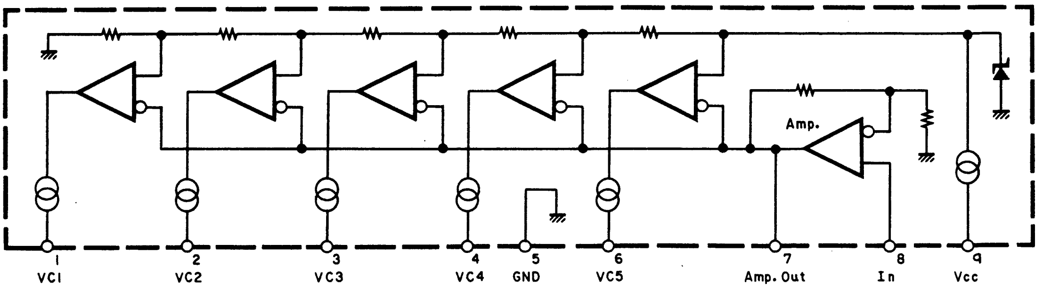

Amp.
1
VC1
2
VC2
3
VC3
4
VC4
5
GND
6
VC5
7
Amp. Out
8
In
9
Vcc

Fig. 6.1.10 Signal Meter Driver IC LB1413N

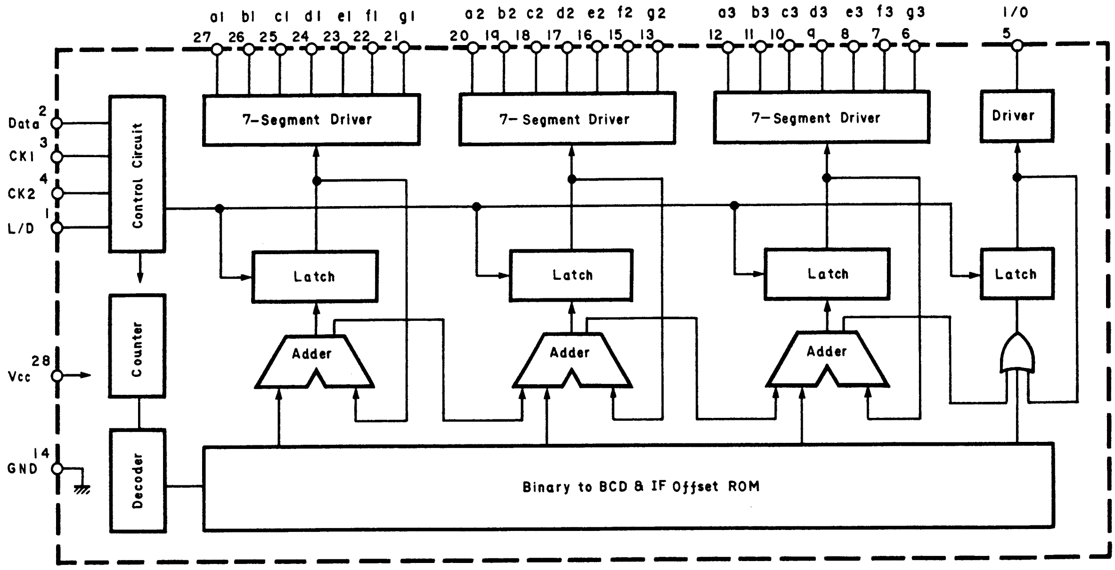

a1 b1 c1 d1 e1 f1 g1
27 26 25 24 23 22 21
a2 b2 c2 d2 e2 f2 g2
20 19 18 17 16 15 13
a3 b3 c3 d3 e3 f3 g3
12 11 10 9 8 7 6
I/O
5
Data 2
CK1 3
CK2 4
L/D 1
Vcc 28
GND 14
Control Circuit
Counter
Decoder
7-Segment Driver
7-Segment Driver
7-Segment Driver
Driver
Latch
Latch
Latch
Latch
Adder
Adder
Adder
Binary to BCD & IF Offset ROM

Fig. 6.1.11 Indicator Driver IC TD6301A

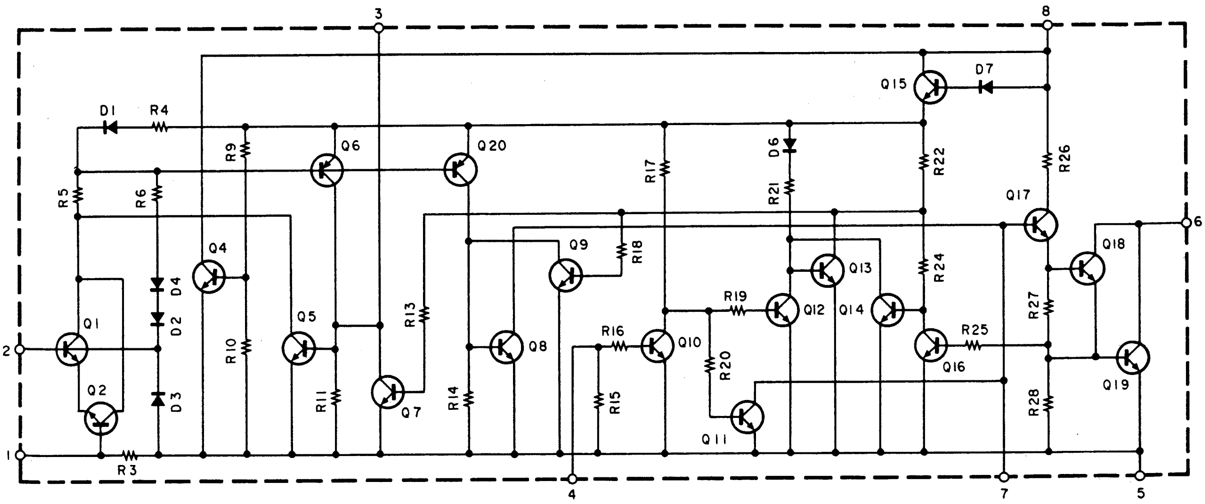

3
8
6
2
1
4
7
5
D1
R4
D7
Q15
R9
Q6
Q20
R17
D6
R22
R26
R5
R6
R21
Q17
Q4
Q9
R18
Q13
R24
Q18
D4
D2
D3
R19
Q12
Q14
R27
Q1
Q5
R13
R16
Q10
R25
Q16
R10
Q8
R20
Q19
Q2
R11
Q7
R14
R15
Q11
R28
R3

Fig. 6.1.12 Power Amp./Speaker Protector IC μPC1237H

6.2. Schematic Diagrams

6.2.1. Tuner and Power Supply Section

(1) For SR-2 (Canada) & SR-2A

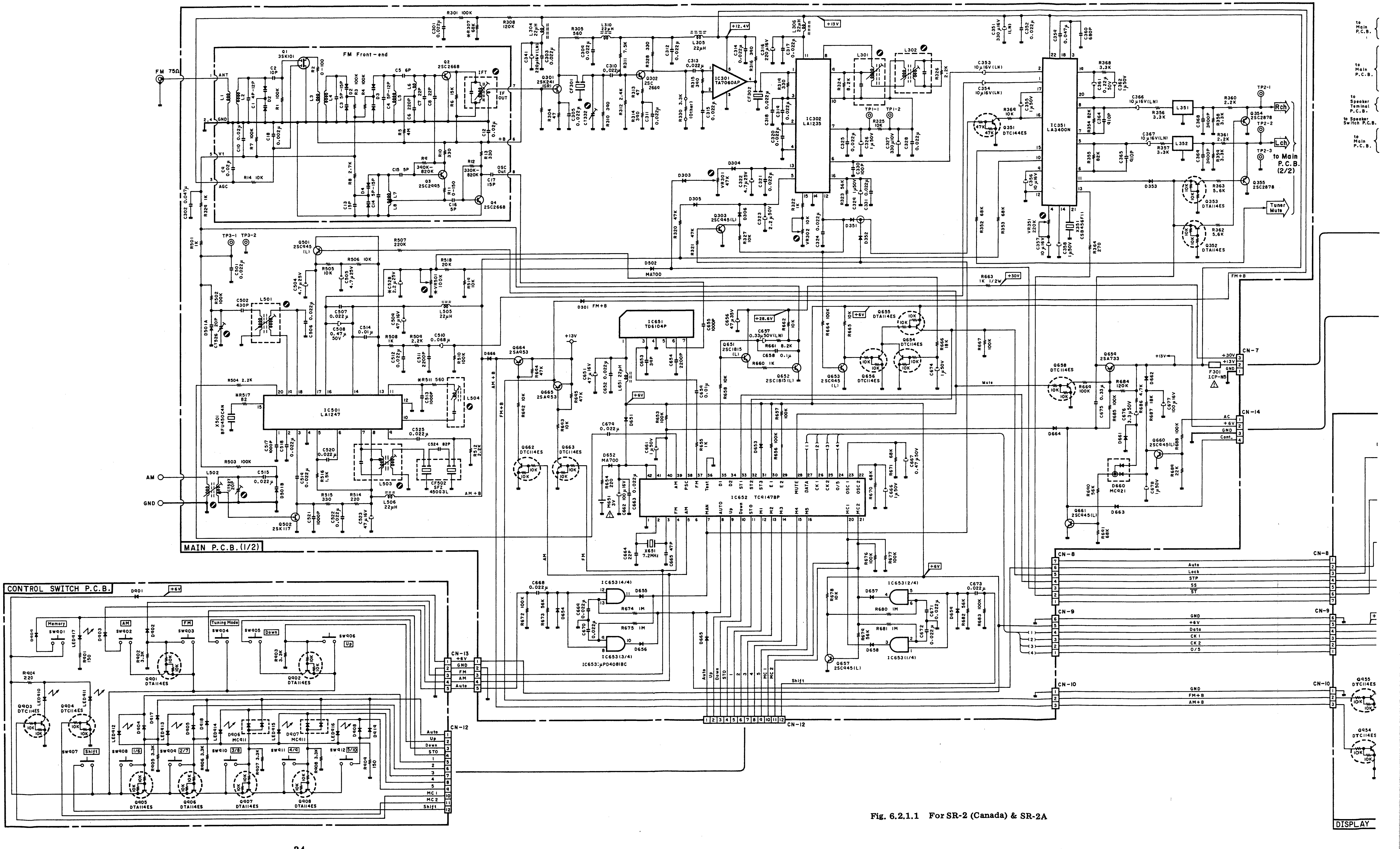

FM 75Ω
FM Front-end
Q1 3SK101
Q2 2SC2668
Q3 2SC2995
Q4 2SC2668
IFT
IF OUT
OSC Out
AGC
Q301 2SK241 (GR)
CF301
Q302 2SC2668
IC301 TA7060AP
CF302
IC302 LA1235
L301
L302
TP1-1
TP1-2
+12.4V
+13V
IC351 LA3400N
Q351 DTC144ES
L351
L352
Q354 2SC2878
Q355 2SC2878
Q353 DTA114ES
Q352 DTA114ES
TP2-1
TP2-2
TP2-3
Rch
Lch
to Main P.C.B. (2/2)
Tuner Mute
to Main P.C.B.
to Speaker Terminal P.C.B.
to Speaker Switch P.C.B.
Q303 2SC945(L)
D351
D352
D303
D304
D305
TP3-1
TP3-2
Q501 2SC945 (L)
L501
IC501 LA1247
X501 BFU450C4N
L502
L503
L504
L505
L506
CF502 450G3L
Q502 2SK117
AM
GND
AM+B
D502 MA700
D301 FM+B
FM+B
IC651 TD6104P
+28.6V
Q651 2SC1815 (L)
Q652 2SC1815 (L)
Q653 2SC945 (L)
Q654 DTC114ES
Q655 DTA114ES
Q656 DTC114ES
Q664 2SA953
Q665 2SA953
Q662 DTC114ES
Q663 DTC114ES
+6V
D652 MA700
IC652 TC9147BP
X651 7.2MHz
Q658 DTC114ES
Q659 2SA733
Q660 2SC945(L)
Q661 2SC945(L)
D660 MC921
D663
D664
R663 1K 1/2W
+30V
Mute
F301 ICP-N5
CN-7
CN-14
AC
Cont.
MAIN P.C.B. (1/2)
CN-8
CN-9
CN-10
CN-12
CN-13
Auto
Lock
STP
SS
ST
Data
CK 1
CK 2
O/S
AM+B
IC653 (4/4)
IC653 (3/4)
IC653 (2/4)
IC653 (1/4)
IC653: μPD4081BC
Q657 2SC945(L)
Shift
CONTROL SWITCH P.C.B.
D401
Memory
SW401
SW402
SW403
SW404
SW405
SW406
Tuning Mode
Down
Up
FM
Q401 DTA114ES
Q402 DTA114ES
Q403 DTC114ES
Q404 DTC114ES
D406 MC911
D407 MC911
SW407
SW408 1/6
SW409 2/7
SW410 3/8
SW411 4/9
SW412 5/10
Q405 DTA114ES
Q406 DTA114ES
Q407 DTA114ES
Q408 DTA114ES
STO
MC1
MC2
DISPLAY
Q455 DTC114ES
Q454 DTC114ES

Fig. 6.2.1.1 For SR-2 (Canada) & SR-2A

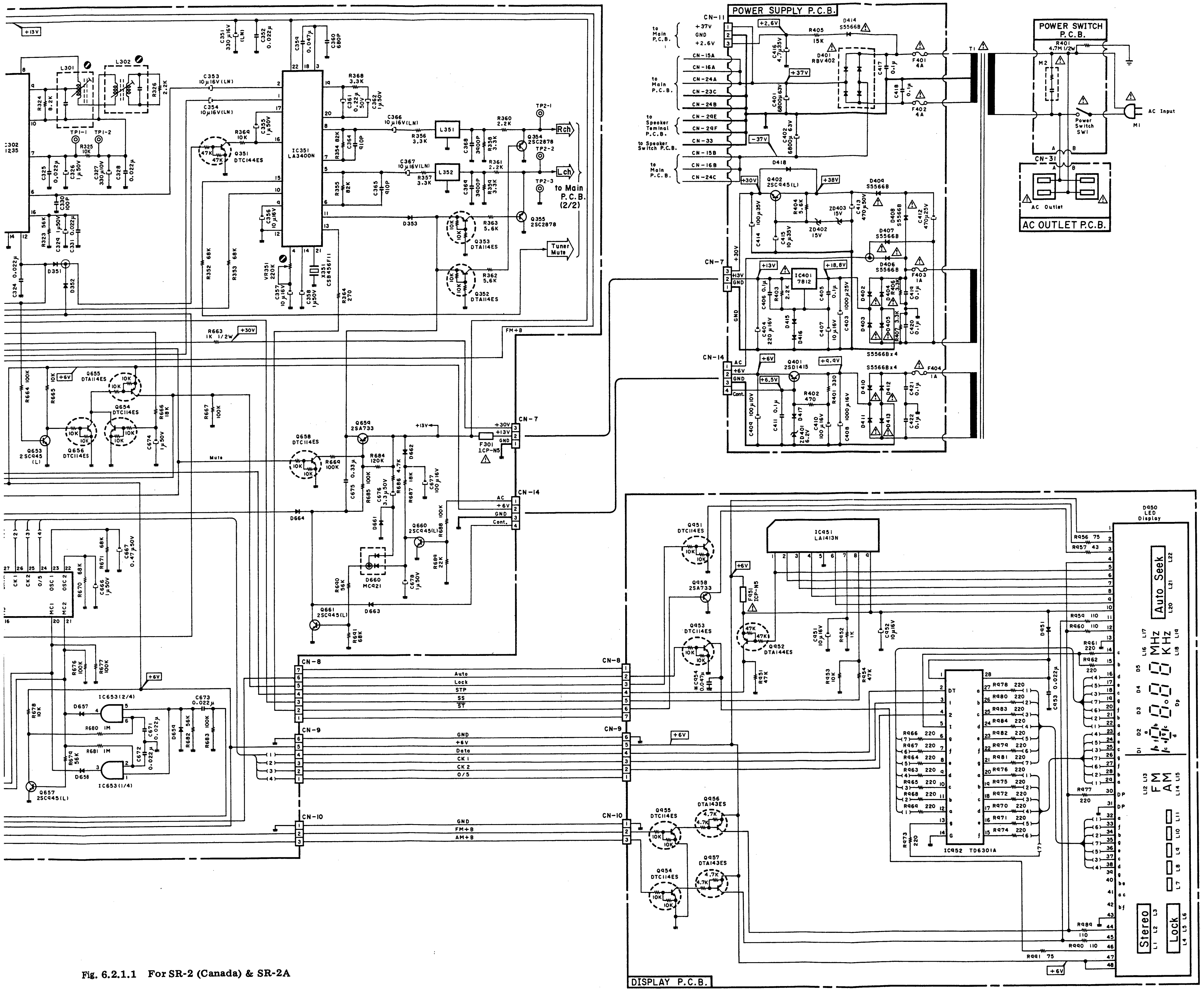

POWER SUPPLY P.C.B.
POWER SWITCH P.C.B.
AC OUTLET P.C.B.
DISPLAY P.C.B.
IC351 LA3400N
IC401 7812
IC951 LA1413N
IC952 TD6301A
IC653(2/4)
IC653(1/4)
D950 LED Display
to Main P.C.B. (2/2)
Rch
Lch
Tuner Mute
AC Input
Power Switch SW1
AC Outlet
CN-7
CN-8
CN-9
CN-10
CN-11
CN-14
CN-31
Auto Seek
MHz
KHz
FM
AM
Stereo
Lock
Auto
Lock
STP
SS
ST
GND
+6V
Data
CK1
CK2
O/S
FM+B
AM+B
Mute
T1
F301 ICP-N5
F951 ICP-N5
F401 4A
F402 4A
F403 1A
F404 1A
R401 4.7M 1/2W

Fig. 6.2.1.1 For SR-2 (Canada) & SR-2A

WARNING:

Parts marked with the symbol ⚠ have critical characteristics.

Use ONLY replacement parts recommended by the manufacturer.

It is recommended that the unit be operated from a suitable DC supply or batteries during initial check-out procedures.

CAUTION:

Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamp, or if the resistance from chassis to either side of the power cord is less than 240 k ohms, the unit is defective.

WARNING — DO NOT return the unit to the customer until the problem is located and corrected.

For Lithium Battery:

Use ONLY replacement parts recommended by the manufacturer.

Replacement must be done only by qualified service personnel because of risk for explosion.

Notes:
1. Diode is 1SS53, 1S1555, or 1SS176 unless otherwise specified.
2. Resistor and capacitor marked with * show typical value.
3. 2SA733, 2SA608SP, 2SA1048 and 2SA1175 are interchangeable with each other.
4. 2SC945, 2SC536SP, 2SC2458 and 2SC2785 are interchangeable with each other.

(2) For SR-2 (Australia & Other)

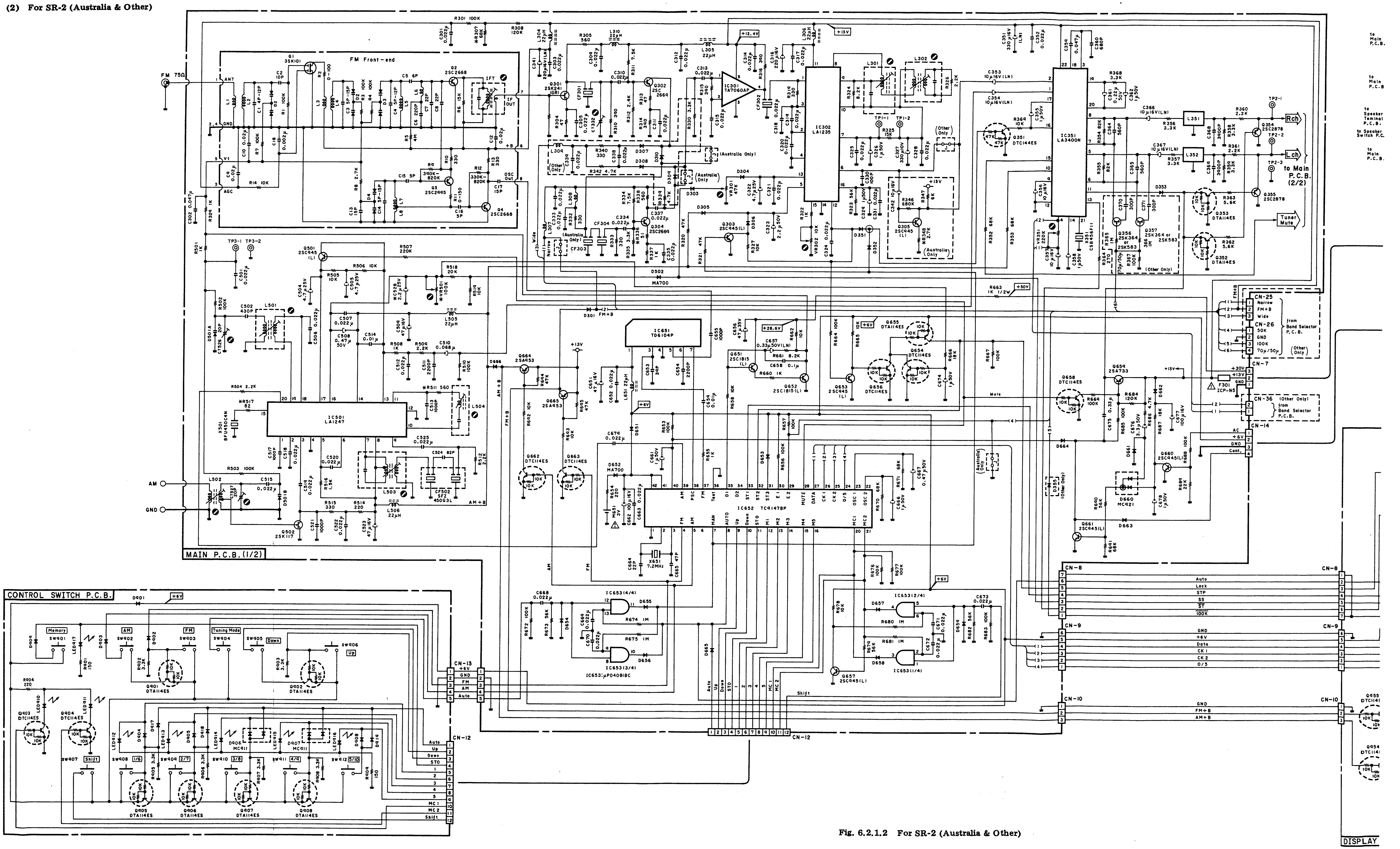

FM Front-end
FM 75Ω
ANT
GND
AGC
IF OUT
OSC Out
Q1 3SK101
Q2 2SC2668
Q3 2SC2995
Q4 2SC2668
Q301 2SK241 (GR)
Q302 2SC2669
Q303 2SC945(L)
Q304 2SC2669
Q305 2SC945 (L)
IC301 TA7060AP
IC302 LA1235
IC351 LA3400N
IC501 LA1247
IC651 TD6104P
IC652 TC9147BP
IC653 μPD4081BC
Q351 DTC144ES
Q352 DTA114ES
Q353 DTA114ES
Q354 2SC2878
Q355 2SC2878
Q356 2SK364 or 2SK583
Q357 2SK364 or 2SK583
Q501 2SC945 (L)
Q502 2SK117
Q651 2SC1815 (L)
Q652 2SC1815 (L)
Q653 2SC945 (L)
Q654 DTC114ES
Q655 DTA114ES
Q656 DTC114ES
Q657 2SC945(L)
Q658 DTC114ES
Q659 2SA733
Q660 2SC945(L)
Q661 2SC945(L)
Q662 DTC114ES
Q663 DTC114ES
Q664 2SA953
Q665 2SA953
X501 BFU450C4N
X651 7.2MHz
CF502 SFZ 450G3L
D502 MA700
D652 MA700
D660 MC921
F301 ICP-N5
TP1-1
TP1-2
TP2-1
TP2-2
TP2-3
TP3-1
TP3-2
Rch
Lch
to Main P.C.B. (2/2)
Tuner Mute
CN-25
Narrow
FM+B
Wide
CN-26
50K
GND
100K
70μ/50μ
from Band Selector P.C.B.
(Other Only)
CN-7
+30V
+13V
GND
CN-36 (Other Only) from Band Selector P.C.B.
CN-14
AC
+6V
GND
Cont.
(Australia Only)
(Other Only)
AM
GND
MAIN P.C.B. (1/2)
CONTROL SWITCH P.C.B.
Memory
AM
FM
Tuning Mode
Down
Up
Shift
SW401
SW402
SW403
SW404
SW405
SW406
SW407
SW408 1/6
SW409 2/7
SW410 3/8
SW411 4/9
SW412 5/10
Q401 DTA114ES
Q402 DTA114ES
Q403 DTC114ES
Q404 DTC114ES
Q405 DTA114ES
Q406 DTA114ES
Q407 DTA114ES
Q408 DTA114ES
D406 MC911
D407 MC911
CN-13
+6V
GND
FM
AM
Auto
CN-12
Auto
Up
Down
STO
1
2
3
4
5
MC1
MC2
Shift
CN-8
Auto
Lock
STP
SS
ST
100K
CN-9
GND
+6V
Data
CK1
CK2
O/S
CN-10
GND
FM+B
AM+B
Q955 DTC1141
Q954 DTC1141
to Main P.C.B.
to Speaker Terminal P.C.B.
to Speaker Switch P.C.
DISPLAY

Fig. 6.2.1.2 For SR-2 (Australia & Other)

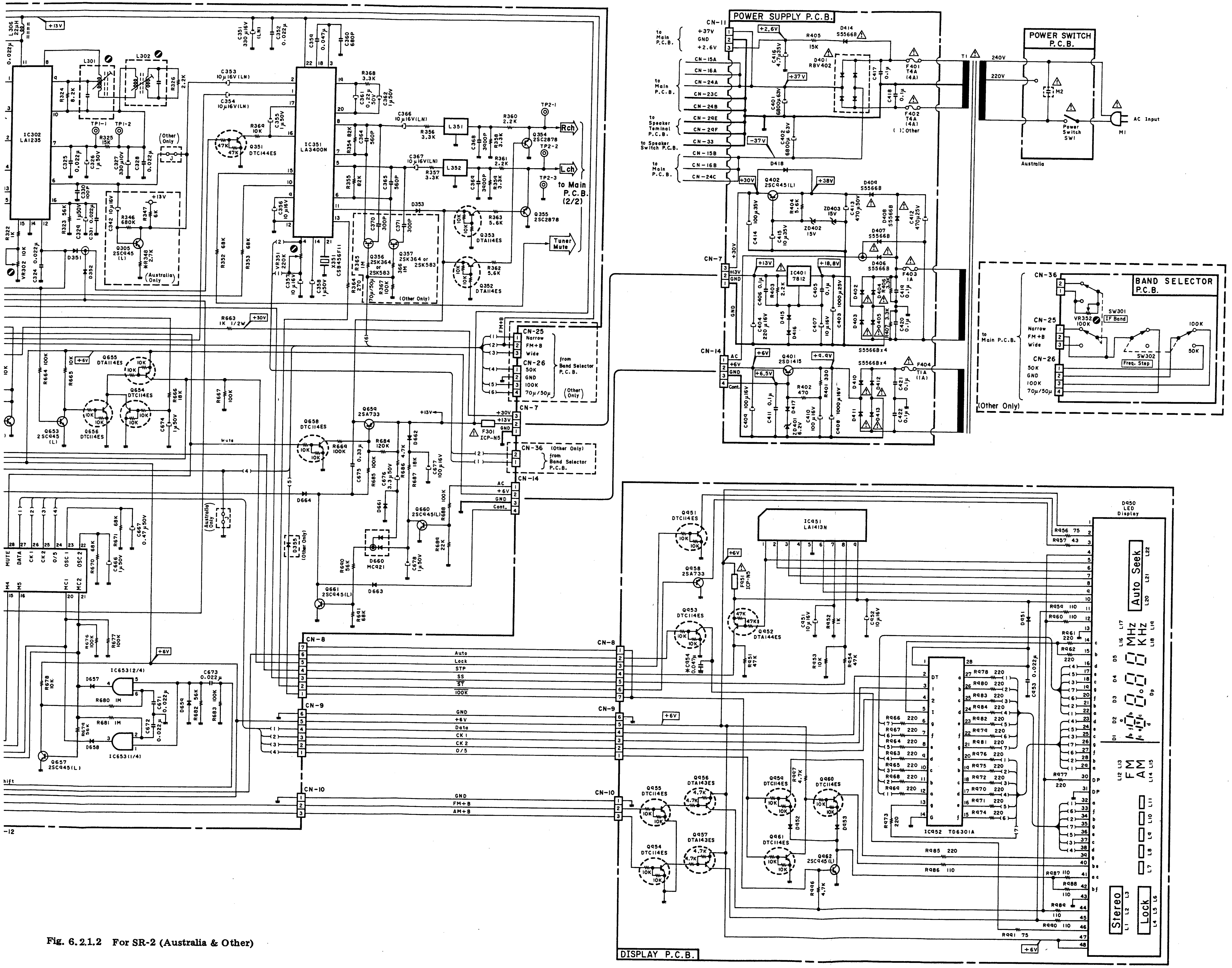

POWER SUPPLY P.C.B.
POWER SWITCH P.C.B.
BAND SELECTOR P.C.B.
DISPLAY P.C.B.
IC302 LA1235
IC351 LA3400N
IC401 7812
IC951 LA1413N
IC952 TD6301A
Q950 LED Display
AC Input
Power Switch SW1
to Main P.C.B. (2/2)
Tuner Mute
Auto Seek
MHz
KHz
FM
AM
Stereo
Lock
(Other Only)
Australia
T1
240V
220V

Fig. 6.2.1.2 For SR-2 (Australia & Other)

WARNING:

Parts marked with the symbol ⚠ have critical characteristics.

Use ONLY replacement parts recommended by the manufacturer.

It is recommended that the unit be operated from a suitable DC supply or batteries during initial check-out procedures.

CAUTION:

Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamp, or if the resistance from chassis to either side of the power cord is less than 240 k ohms, the unit is defective.

WARNING — DO NOT return the unit to the customer until the problem is located and corrected.

For Lithium Battery:

Use ONLY replacement parts recommended by the manufacturer.

Replacement must be done only by qualified service personnel because of risk for explosion.

Notes:
1. Diode is 1SS53, 1S1555, or 1SS176 unless otherwise specified.
2. Resistor and capacitor marked with * show typical value.
3. 2SA733, 2SA608SP, 2SA1048 and 2SA1175 are interchangeable with each other.
4. 2SC945, 2SC536SP, 2SC2458 and 2SC2785 are interchangeable with each other.

(3) For SR-2E (Europe & Germany)

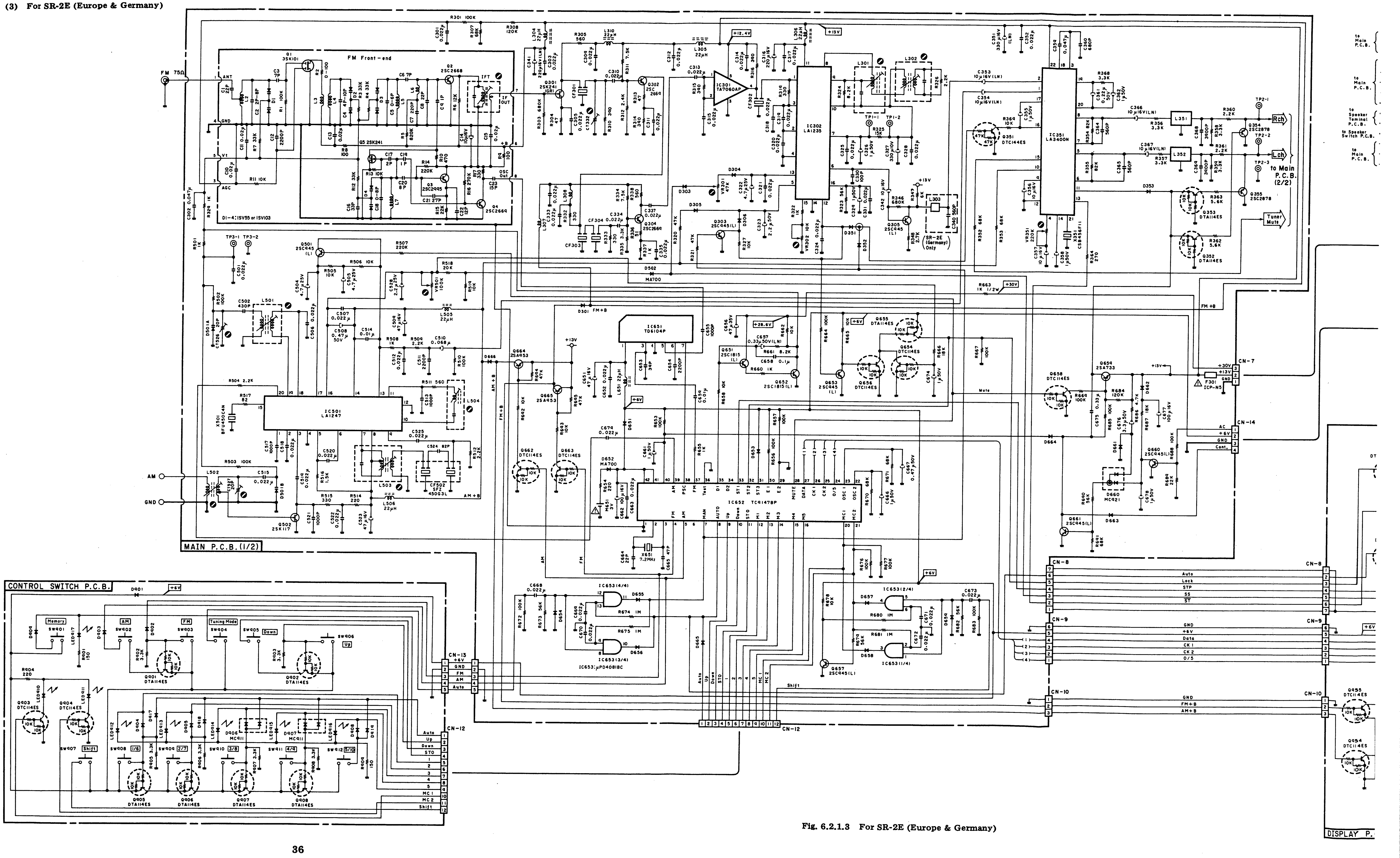

FM 75Ω
FM Front-end
MAIN P.C.B. (1/2)
CONTROL SWITCH P.C.B.
DISPLAY P.
AM
GND
IC301 TA7060AP
IC302 LA1235
IC351 LA3400N
IC501 LA1247
IC651 TD6104P
IC652 TC9147BP
IC653: μPD4081BC
X651 7.2MHz
F301 ICP-N5
SR-2E (Germany) Only
to Main P.C.B. (2/2)
Rch
Lch
Tuner Mute
to Main P.C.B.
to Speaker Terminal P.C.B.
to Speaker Switch P.C.B.
CN-7
CN-8
CN-9
CN-10
CN-12
CN-13
CN-14
Auto
Lock
STP
SS
ST
GND
+6V
Data
CK 1
CK 2
O/S
FM+B
AM+B
AC
Cont.
+30V
+13V
+12.4V
+28.6V
Mute
Shift
Memory
FM
Tuning Mode
Down
Up
SW401
SW402
SW403
SW404
SW405
SW406
SW407
SW408 1/6
SW409 2/7
SW410 3/8
SW411 4/9
SW412 5/10
Q401 DTA114ES
Q402 DTA114ES
Q403 DTC114ES
Q404 DTC114ES
Q405 DTA114ES
Q406 DTA114ES
Q407 DTA114ES
Q408 DTA114ES
Q1 3SK101
Q2 2SC2668
Q3 2SC2695
Q4 2SC2669
Q5 2SK241
Q301 2SK241
Q302 2SC2669
Q303 2SC945(L)
Q304 2SC2669
Q305 2SC945
Q351 DTC144ES
Q352 DTA114ES
Q353 DTA114ES
Q354 2SC2878
Q355 2SC2878
Q501 2SC945
Q502 2SK117
Q651 2SC1815
Q652 2SC1815(L)
Q653 2SC945
Q654 DTC114ES
Q655 DTA114ES
Q656 DTC114ES
Q657 2SC945(L)
Q658 DTC114ES
Q659 2SA733
Q660 2SC945(L)
Q661 2SC945(L)
Q662 DTC114ES
Q663 DTC114ES
Q664 2SA953
Q665 2SA953
D1-4: 1SV55 or 1SV103
CF502 SFZ 450G3L
X501 BFU450C4N
X351 CSB456F11
TP1-1
TP1-2
TP2-1
TP2-2
TP2-3
TP3-1
TP3-2

Fig. 6.2.1.3 For SR-2E (Europe & Germany)

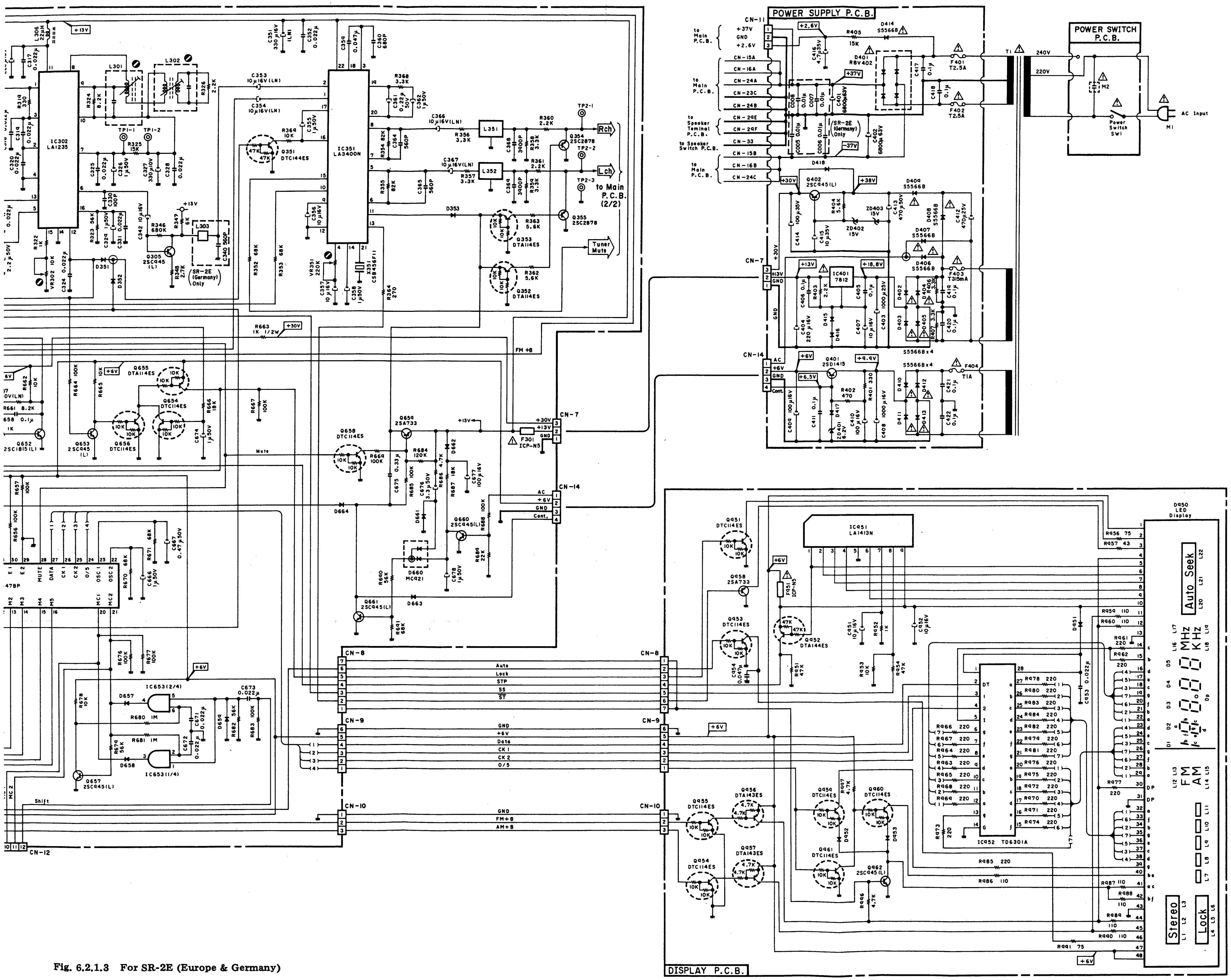

POWER SUPPLY P.C.B.
POWER SWITCH P.C.B.
DISPLAY P.C.B.
IC302 LA1235
IC351 LA3400N
IC401 7812
IC651 LA1413N
IC652 TD6301A
IC653(2/4)
IC653(1/4)
Q950 LED Display
Auto Seek
MHz
KHz
FM
AM
Stereo
Lock
to Main P.C.B. (2/2)
Rch
Lch
Tuner Mute
SR-2E (Germany) Only
CN-7
CN-8
CN-9
CN-10
CN-11
CN-12
CN-14
AC Input
Power Switch SW1
T1
240V
220V
F401 T2.5A
F402 T2.5A
F403 T315mA
F404 T1A
F301 ICP-N5
Auto
Lock
STP
SS
ST
GND
+6V
Data
CK1
CK2
O/S
FM+B
AM+B
Mute
Shift

Fig. 6.2.1.3 For SR-2E (Europe & Germany)

WARNING:

Parts marked with the symbol ⚠ have critical characteristics.

Use ONLY replacement parts recommended by the manufacturer.

It is recommended that the unit be operated from a suitable DC supply or batteries during initial check-out procedures.

CAUTION:

Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamp, or if the resistance from chassis to either side of the power cord is less than 240 k ohms, the unit is defective.

WARNING — DO NOT return the unit to the customer until the problem is located and corrected.

For Lithium Battery:

Use ONLY replacement parts recommended by the manufacturer.

Replacement must be done only by qualified service personnel because of risk for explosion.

Notes:

1. Diode is 1SS53, 1S1555, or 1SS176 unless otherwise specified.
2. 2SA733, 2SA608SP, 2SA1048 and 2SA1175 are interchangeable with each other.
3. 2SC945, 2SC536SP, 2SC2458 and 2SC2785 are interchangeable with each other.

6.2.2. Amplifier Section

(1) For SR-2 & SR-2A

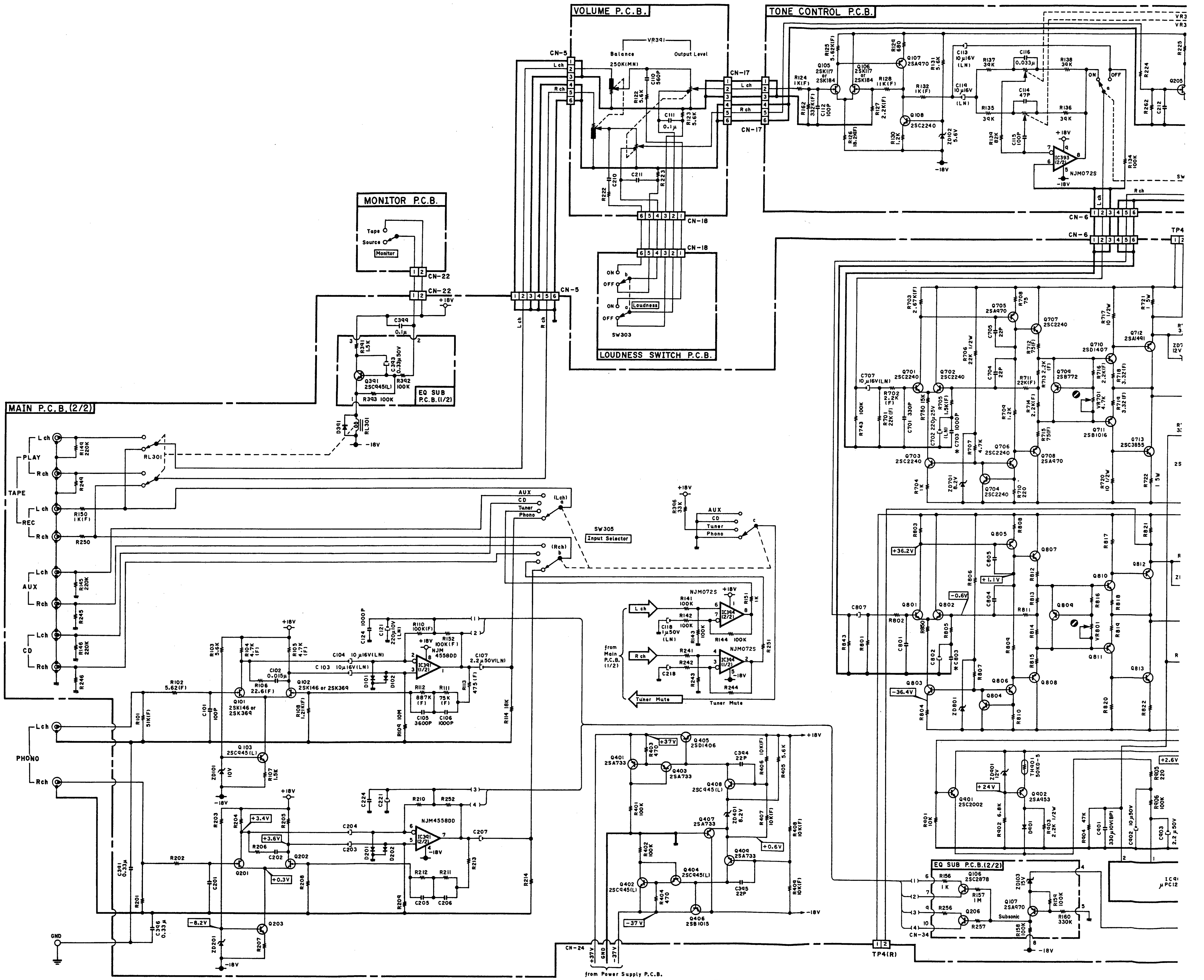

VOLUME P.C.B.
TONE CONTROL P.C.B.
MONITOR P.C.B.
MAIN P.C.B. (2/2)
EQ SUB P.C.B. (1/2)
EQ SUB P.C.B. (2/2)
LOUDNESS SWITCH P.C.B.
VR391
Balance
Output Level
250K(MN)
Tape
Source
Monitor
Loudness
SW303
SW305
Input Selector
AUX
CD
Tuner
Phono
(Lch)
(Rch)
TAPE
PLAY
REC
PHONO
GND
Lch
Rch
RL301
CN-5
CN-6
CN-17
CN-18
CN-22
CN-24
CN-34
TP4
TP4(R)
NJM4558DD
NJM072S
IC391
IC393
IC394
2SK146 or 2SK369
2SC945(L)
2SA733
2SD1406
2SB1015
2SA970
2SC2240
2SK117
2SK184
2SD1407
2SB772
2SB1016
2SA1491
2SC3855
2SC2002
2SA953
2SC2878
Subsonic
Tuner Mute
from Main P.C.B. (1/2)
from Power Supply P.C.B.
+37V
GND
−37V
+18V
−18V
+36.2V
−36.4V
+3.4V
+3.6V
+0.3V
−8.2V
+0.6V
+24V
+2.6V
+1.1V
−0.6V
ON
OFF
μPC12

Fig. 6.2.2.1 For SR-2 & SR-2A

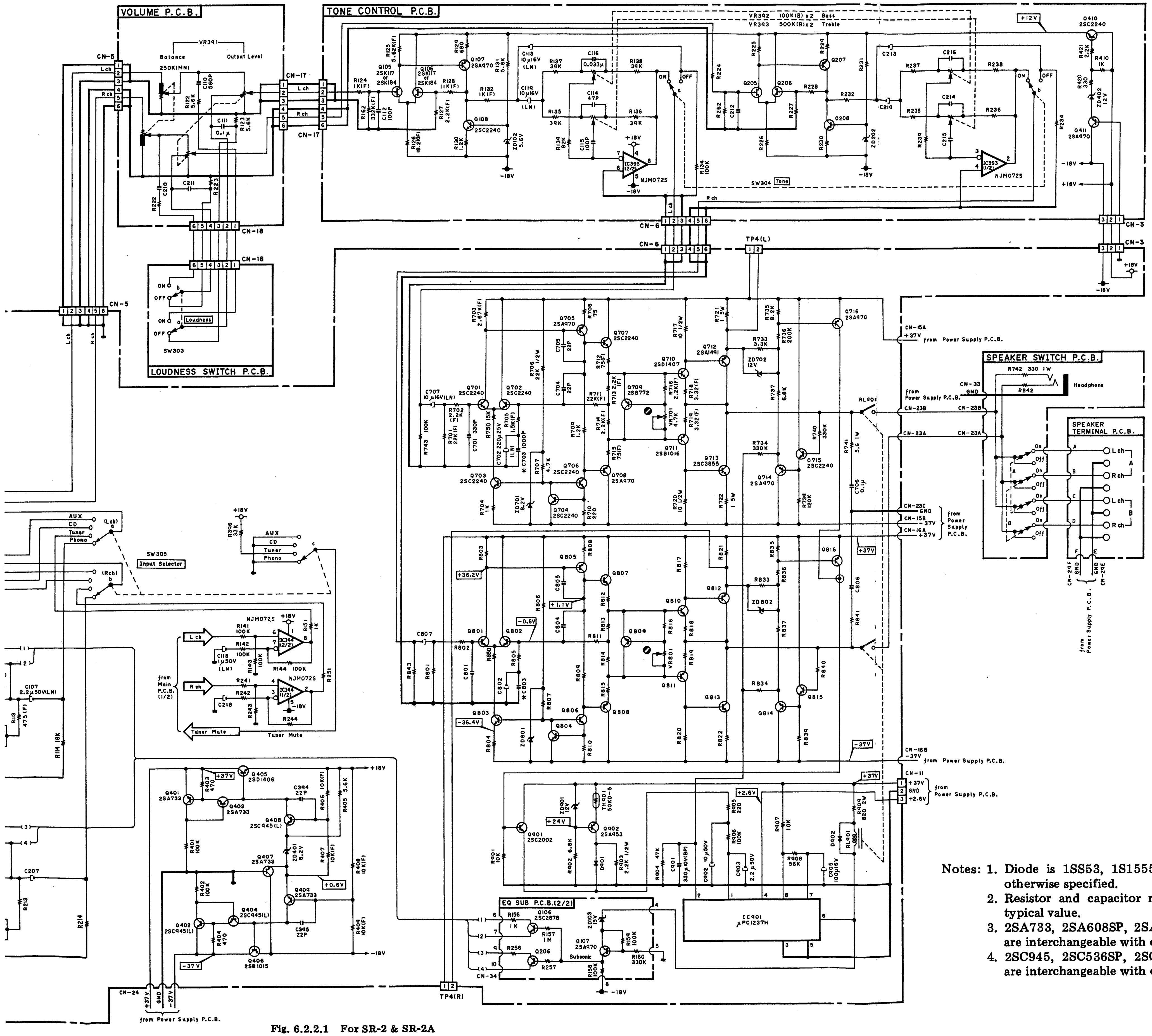
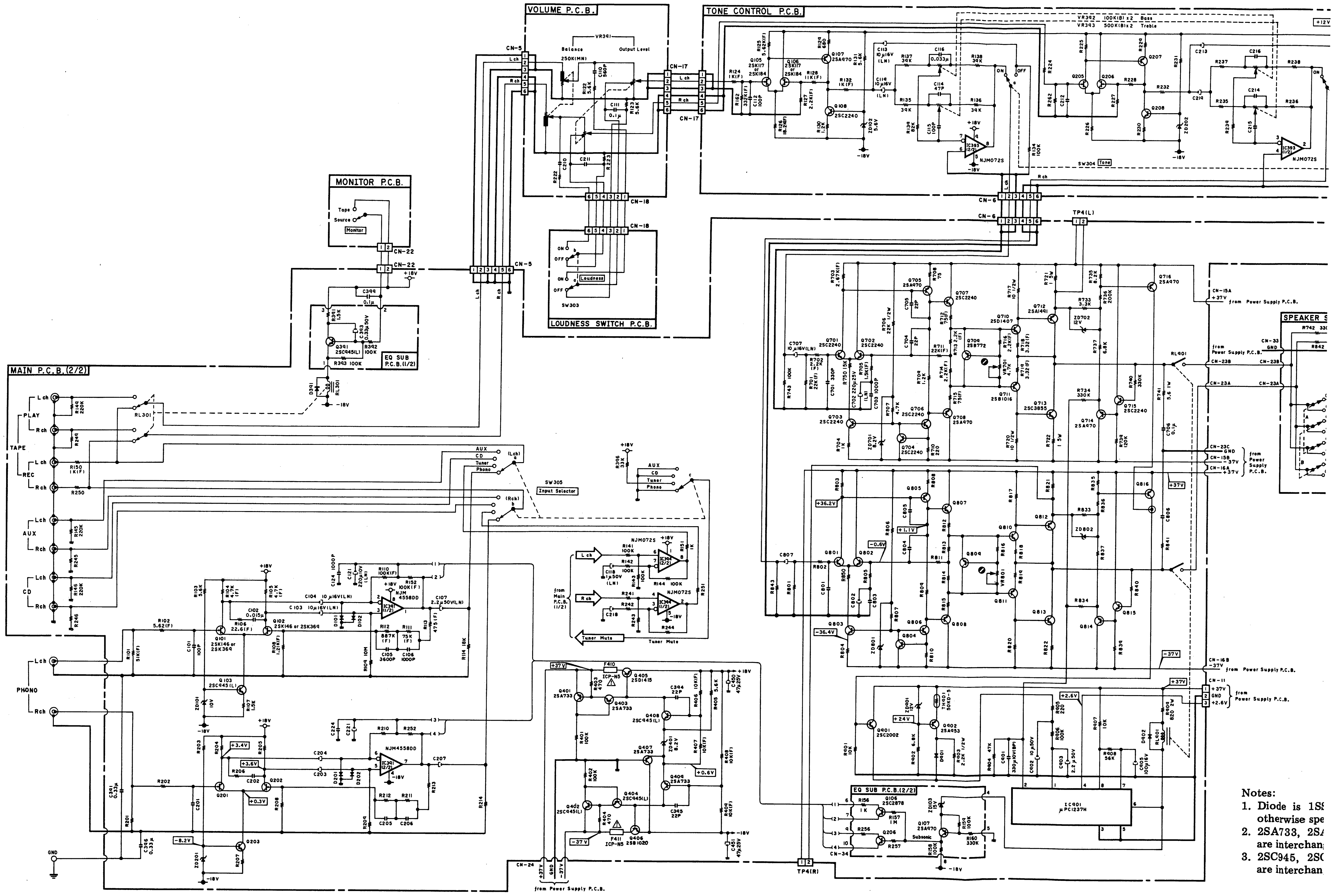

VOLUME P.C.B.
TONE CONTROL P.C.B.
LOUDNESS SWITCH P.C.B.
SPEAKER SWITCH P.C.B.
SPEAKER TERMINAL P.C.B.
EQ SUB P.C.B.(2/2)
VR341
Balance
Output Level
250K(MN)
VR342 100K(B) x 2 Bass
VR343 500K(B) x 2 Treble
SW303
Loudness
SW304 Tone
SW305
Input Selector
AUX
CD
Tuner
Phono
(Lch)
(Rch)
Lch
Rch
ON
OFF
NJM072S
IC393
IC394
IC901
μPC1237H
Headphone
R742 330 1W
RL401
TP4(L)
TP4(R)
CN-3
CN-5
CN-6
CN-17
CN-18
CN-24
CN-34
from Power Supply P.C.B.
from Main P.C.B. (1/2)
Tuner Mute
Subsonic
+12V
+18V
-18V
+37V
-37V
+36.2V
-36.4V
+24V
+2.6V
+0.6V
-0.6V
+1.1V
GND

Fig. 6.2.2.1 For SR-2 & SR-2A

Notes:
1. Diode is 1SS53, 1S1555, or 1SS176 unless otherwise specified.
2. Resistor and capacitor marked with * show typical value.
3. 2SA733, 2SA608SP, 2SA1048 and 2SA1175 are interchangeable with each other.
4. 2SC945, 2SC536SP, 2SC2458 and 2SC2785 are interchangeable with each other.

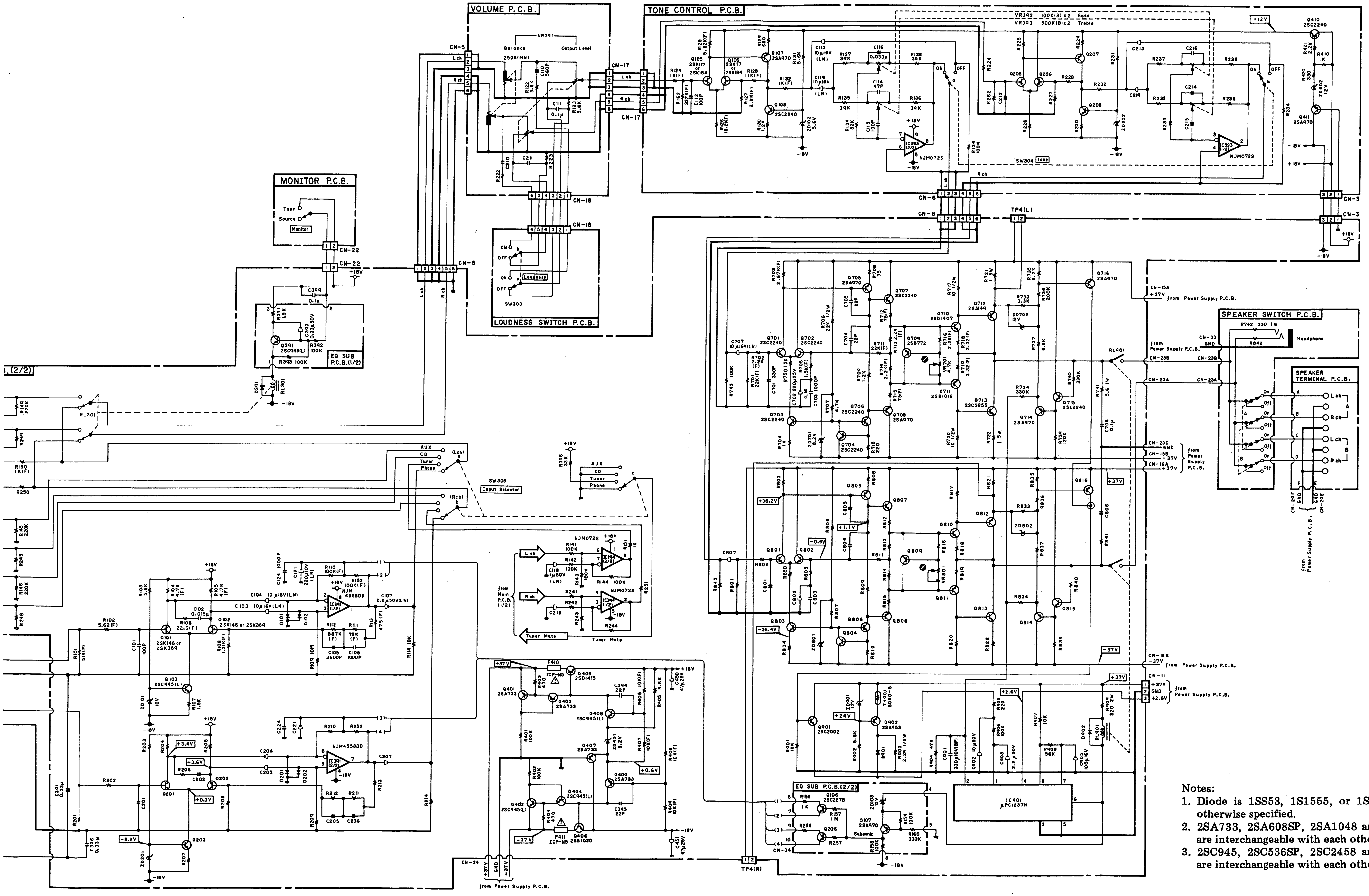
(2) For SR-2E (Europe)



VOLUME P.C.B.
TONE CONTROL P.C.B.
MONITOR P.C.B.
LOUDNESS SWITCH P.C.B.
MAIN P.C.B.(2/2)
EQ SUB P.C.B.(1/2)
EQ SUB P.C.B.(2/2)
VR341
Balance
Output Level
VR342 100K(B)x2 Bass
VR343 500K(B)x2 Treble
SW304 Tone
SW303
Loudness
Monitor
Tape
Source
SW305 Input Selector
AUX
CD
Tuner
Phono
TAPE
PLAY
REC
PHONO
GND
Lch
Rch
Tuner Mute
from Main P.C.B. (1/2)
CN-5
CN-6
CN-17
CN-18
CN-22
CN-24
CN-34
TP4(L)
TP4(R)
IC101 NJM4558DD
IC341 NJM4558DD
IC393 NJM072S
IC394 NJM072S
IC401 µPC1237H
RL301
RL401
+18V
-18V
+37V
-37V
+12V
from Power Supply P.C.B.
SPEAKER

Fig. 6.2.2.2 For SR-2E (Europe)

Notes:
1. Diode is 1S
otherwise spe
2. 2SA733, 2S
are interchan
3. 2SC945, 2S
are interchan


VOLUME P.C.B.
VR341
Balance
Output Level
250K(MN)
TONE CONTROL P.C.B.
VR342 100K(B) x 2 Bass
VR343 500K(B) x 2 Treble
MONITOR P.C.B.
Tape
Source
Monitor
LOUDNESS SWITCH P.C.B.
Loudness
SW303
SW304 Tone
EQ SUB P.C.B.(1/2)
EQ SUB P.C.B.(2/2)
SW305 Input Selector
AUX
CD
Tuner
Phono
Tuner Mute
NJM072S
NJM4558DD
IC401 µPC1237H
SPEAKER SWITCH P.C.B.
Headphone
SPEAKER TERMINAL P.C.B.
L ch
R ch
from Power Supply P.C.B.
from Main P.C.B. (1/2)
TP4(L)
TP4(R)
CN-5
CN-6
CN-17
CN-18
CN-22
CN-3
CN-24
CN-34
+37V
-37V
+18V
-18V
Subsonic

Notes:

1. Diode is 1SS53, 1S1555, or 1SS176 unless otherwise specified.
2. 2SA733, 2SA608SP, 2SA1048 and 2SA1175 are interchangeable with each other.
3. 2SC945, 2SC536SP, 2SC2458 and 2SC2785 are interchangeable with each other.

Fig. 6.2.2.2 For SR-2E (Europe)

(3) For SR-2E (Germany)

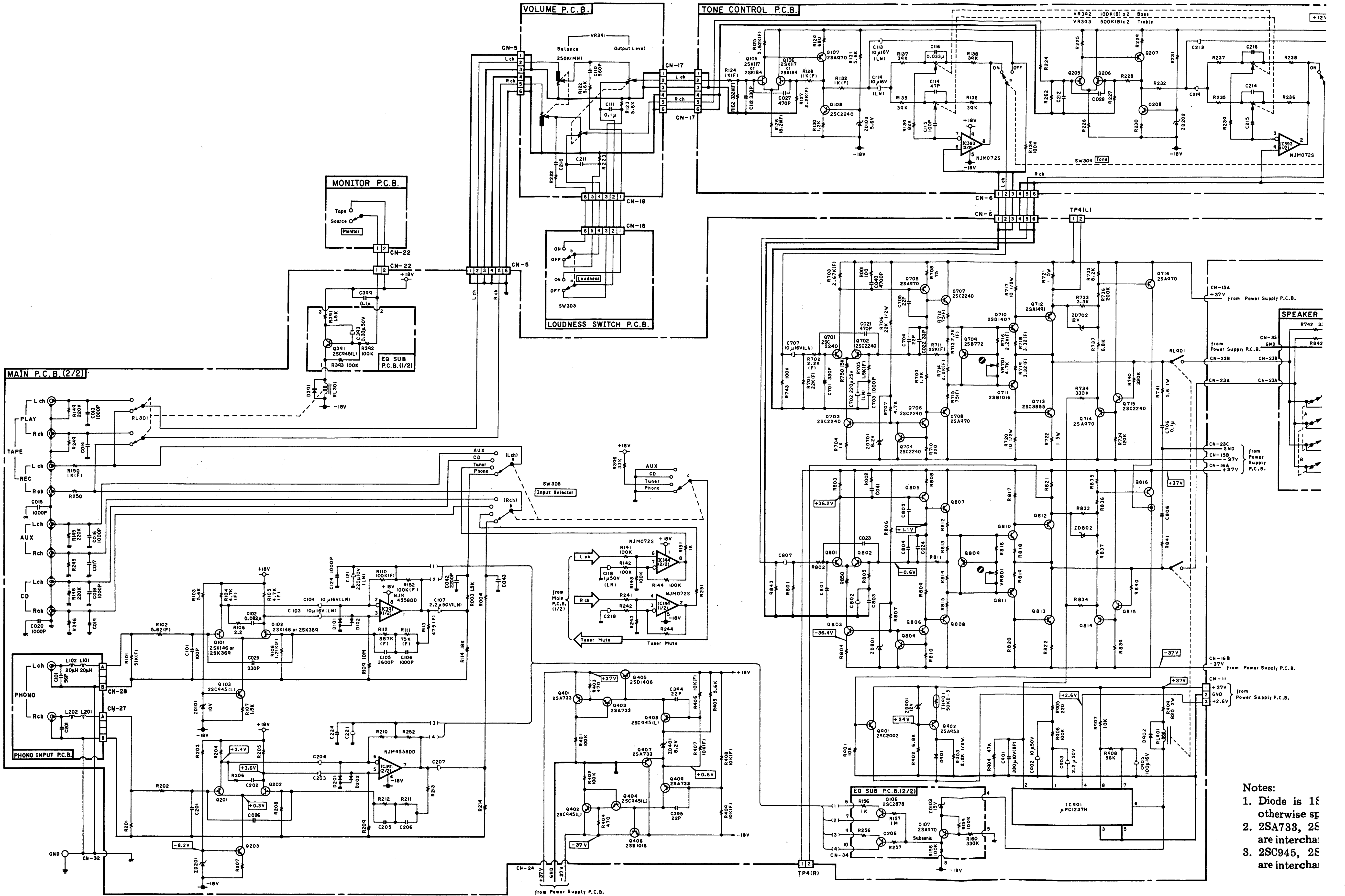

VOLUME P.C.B.
TONE CONTROL P.C.B.
MONITOR P.C.B.
LOUDNESS SWITCH P.C.B.
MAIN P.C.B.(2/2)
EQ SUB P.C.B.(1/2)
EQ SUB P.C.B.(2/2)
PHONO INPUT P.C.B.
SPEAKER
Balance
Output Level
VR391
VR342 100K(B) x 2 Bass
VR343 500K(B) x 2 Treble
SW304 Tone
SW303 Loudness
SW305 Input Selector
Monitor
Tape
Source
TAPE
PLAY
REC
AUX
CD
PHONO
Tuner
Phono
Tuner Mute
NJM072S
NJM4558DD
IC901 μPC1237H
TP4(L)
TP4(R)
CN-5
CN-6
CN-11
CN-15A
CN-15B
CN-16A
CN-16B
CN-17
CN-18
CN-22
CN-23A
CN-23B
CN-23C
CN-24
CN-27
CN-28
CN-32
CN-33
CN-34
RL301
RL901
from Power Supply P.C.B.
from Main P.C.B. (1/2)
Subsonic
GND
+18V
-18V
+37V
-37V

Fig. 6.2.2.3 For SR-2E (Germany)

Notes:

1. Diode is 1
otherwise s
2. 2SA733, 2
are intercha
3. 2SC945, 2
are intercha

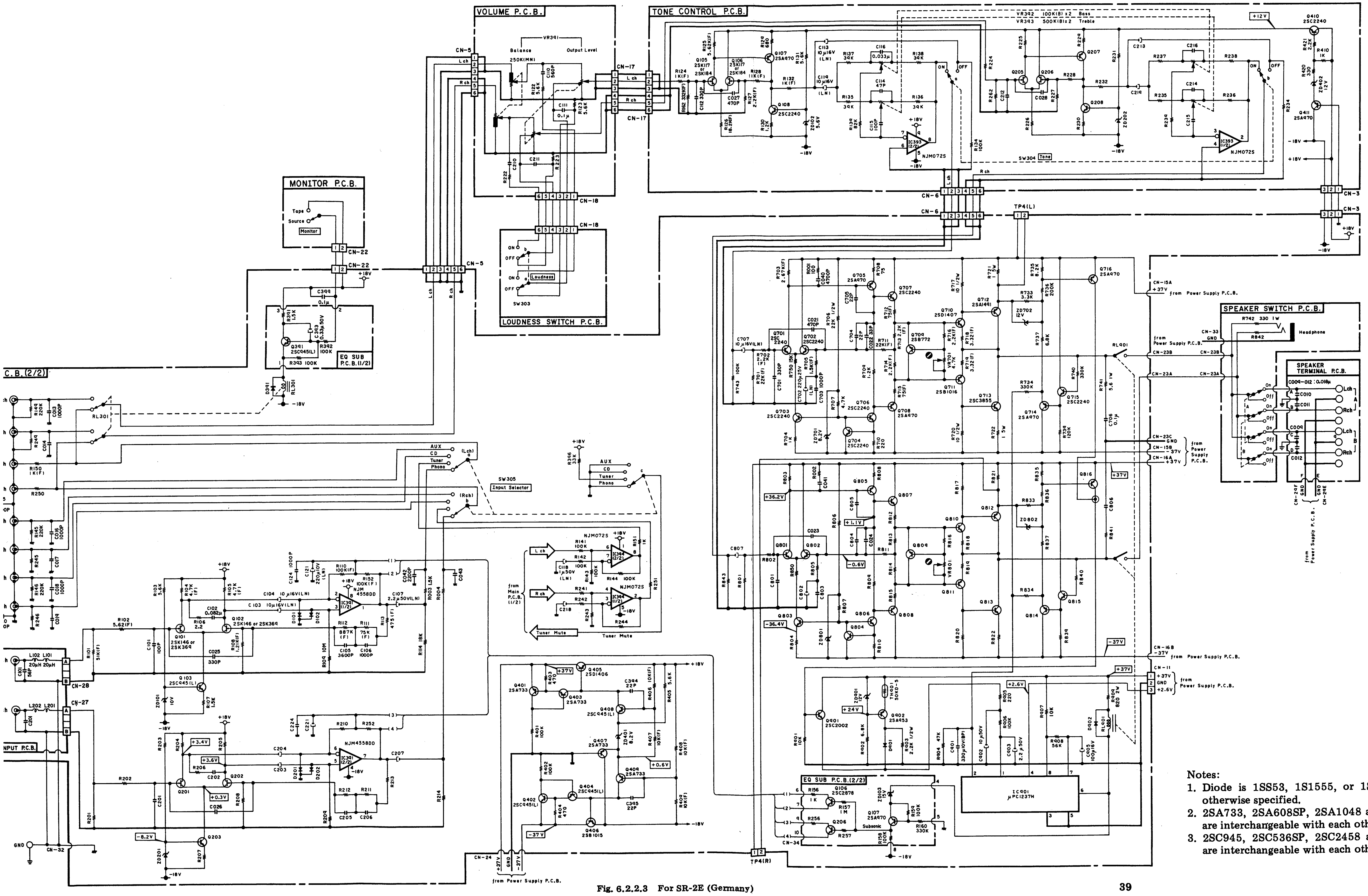

VOLUME P.C.B.
TONE CONTROL P.C.B.
MONITOR P.C.B.
LOUDNESS SWITCH P.C.B.
EQ SUB P.C.B.(1/2)
EQ SUB P.C.B.(2/2)
SPEAKER SWITCH P.C.B.
SPEAKER TERMINAL P.C.B.
Balance
Output Level
VR341
VR342 100K(B) x2 Bass
VR343 500K(B) x2 Treble
SW304 Tone
SW303
Loudness
SW305 Input Selector
AUX
CD
Tuner
Phono
Tape
Source
Monitor
Tuner Mute
Headphone
NJM072S
NJM4558DD
μPC1237H
Subsonic
CN-5
CN-6
CN-17
CN-18
CN-22
CN-3
CN-15A
CN-23A
CN-23B
CN-23C
CN-33
CN-16A
CN-16B
CN-11
CN-24
CN-27
CN-28
CN-32
CN-34
TP4(L)
TP4(R)
from Power Supply P.C.B.
from Main P.C.B. (1/2)
INPUT P.C.B.
GND
+18V
-18V
+37V
-37V
+12V
+2.6V
RL301
RL401
RL901

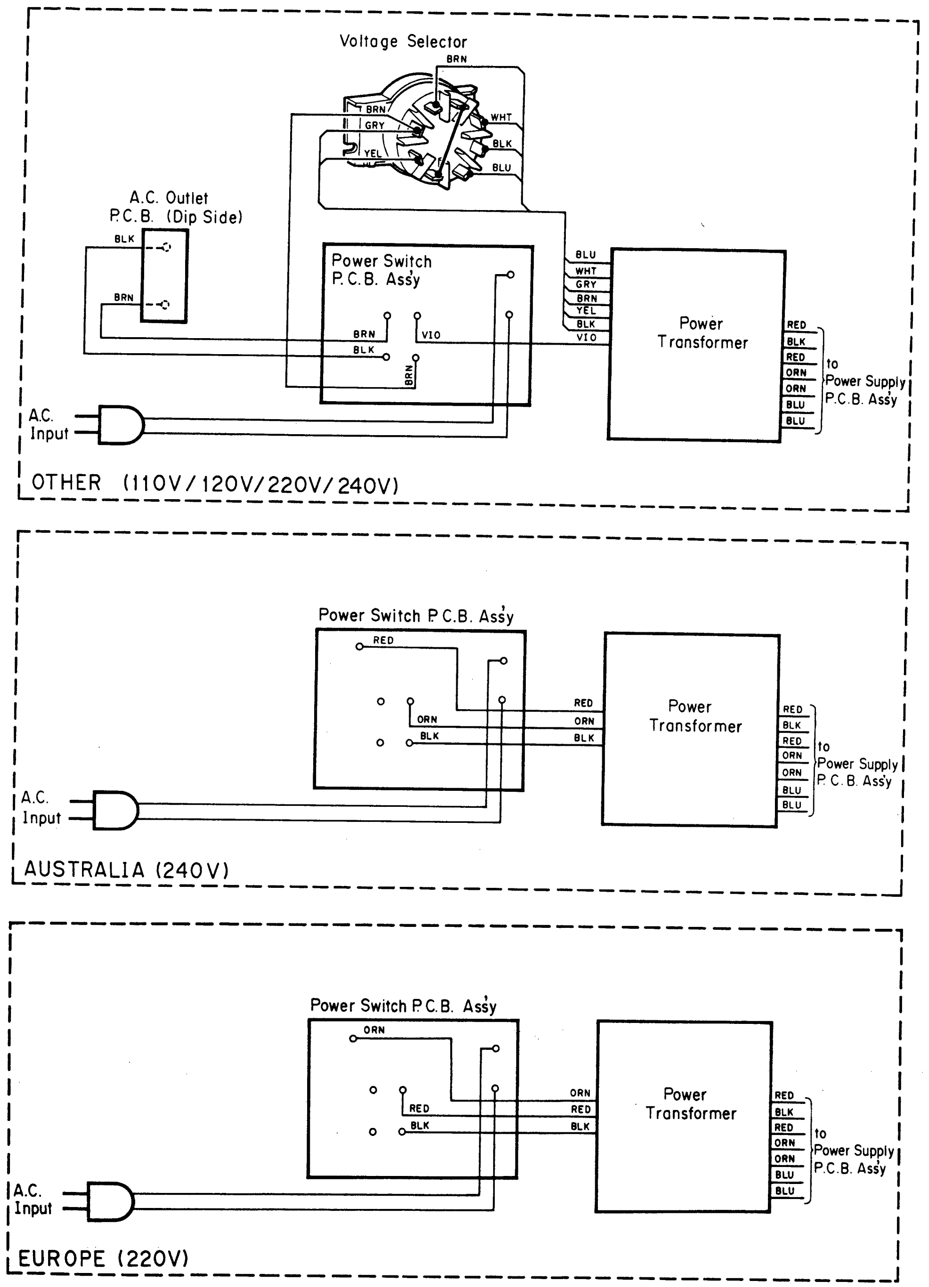
Fig. 6.2.2.3 For SR-2E (Germany)

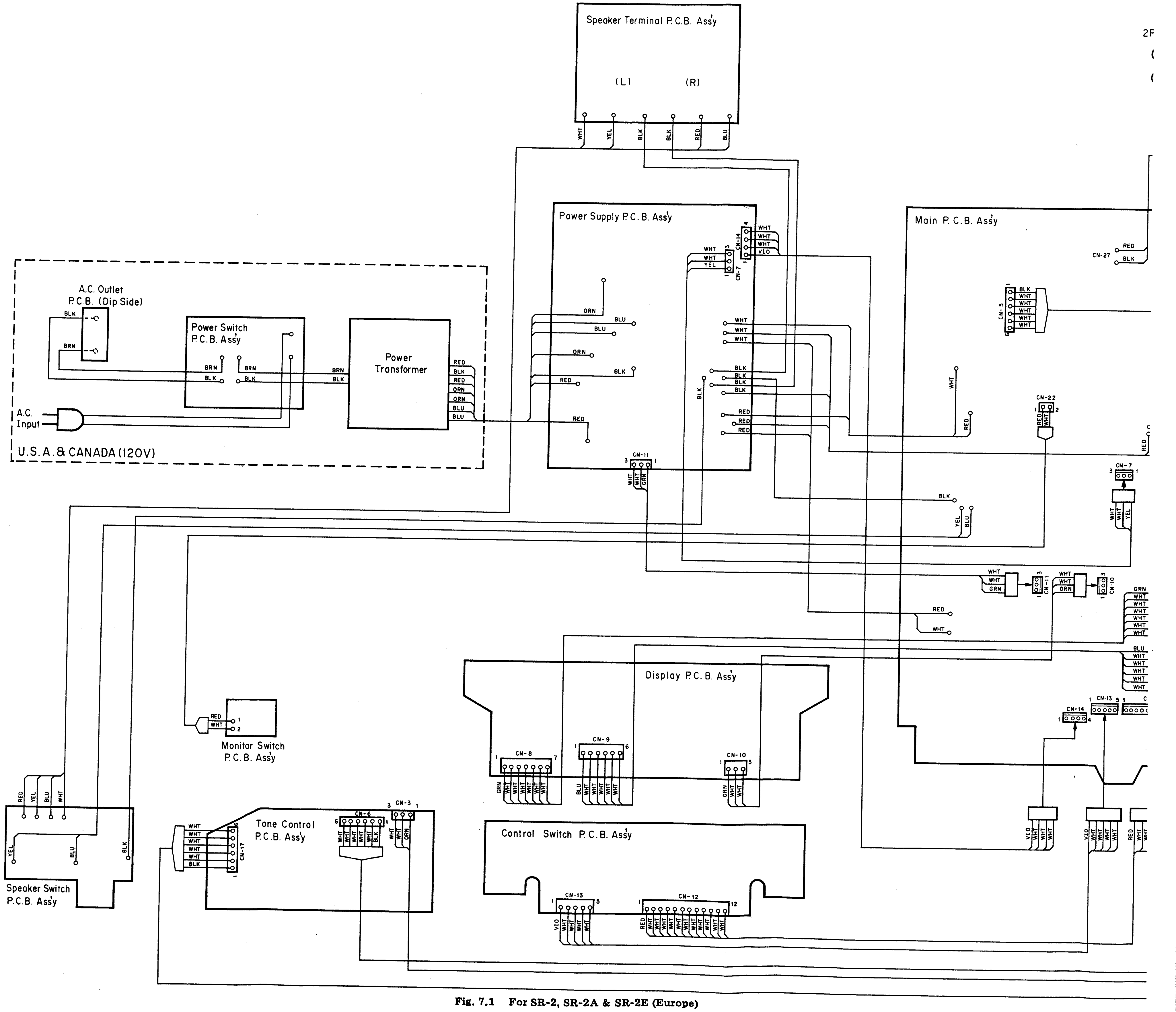
Notes:

1. Diode is 1SS53, 1S1555, or 1SS176 unless otherwise specified.
2. 2SA733, 2SA608SP, 2SA1048 and 2SA1175 are interchangeable with each other.
3. 2SC945, 2SC536SP, 2SC2458 and 2SC2785 are interchangeable with each other.

7. WIRING DIAGRAMS

(1) For SR-2, SR-2A & SR-2E (Europe)


Voltage Selector
BRN
GRY
YEL
WHT
BLK
BLU
A.C. Outlet
P.C.B. (Dip Side)
Power Switch
P.C.B. Ass'y
VIO
Power Transformer
RED
ORN
to Power Supply P.C.B. Ass'y
A.C. Input
OTHER (110V/120V/220V/240V)
Power Switch P.C.B. Ass'y
AUSTRALIA (240V)
EUROPE (220V)

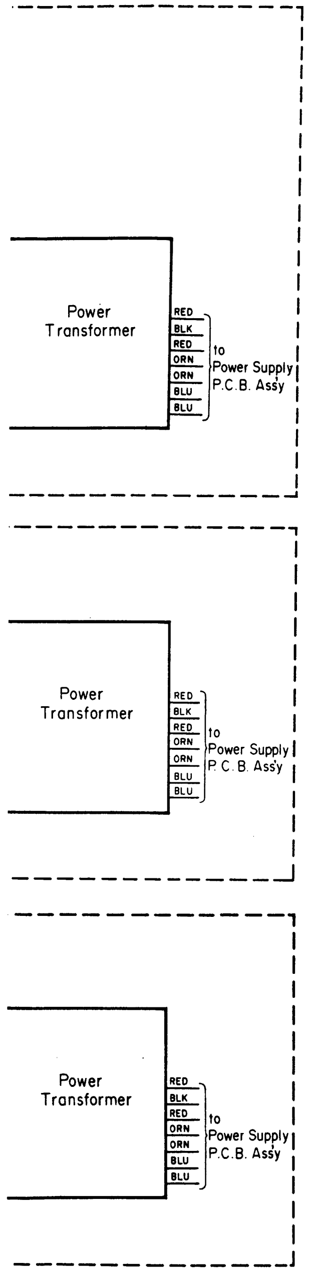

Speaker Terminal P.C.B. Ass'y
(L)
(R)
WHT
YEL
BLK
RED
BLU
Power Supply P.C.B. Ass'y
CN-14
CN-7
CN-11
VIO
ORN
GRN
A.C. Outlet
P.C.B. (Dip Side)
Power Switch
P.C.B. Ass'y
BRN
Power Transformer
A.C. Input
U.S.A. & CANADA (120V)
Main P.C.B. Ass'y
CN-27
CN-5
CN-22
CN-7
CN-11
CN-10
CN-13
CN-14
2F
Display P.C.B. Ass'y
CN-8
CN-9
CN-10
Monitor Switch
P.C.B. Ass'y
Speaker Switch
P.C.B. Ass'y
Tone Control
P.C.B. Ass'y
CN-17
CN-6
CN-3
Control Switch P.C.B. Ass'y
CN-13
CN-12

Notes: 1. Table of wire colors

BRN	Brown	BLU	Blue
RED	Red	VIO	Violet
ORN	Orange	GRY	Gray
YEL	Yellow	WHT	White
GRN	Green	BLK	Black

2. Component side view of the P.C.B. is illustrated unless otherwise specified.
3. CN-36 on the Main P.C.B. Ass'y and the Band Selector P.C.B. Ass'y are not mounted for the former Models.

Fig. 7.1 For SR-2, SR-2A & SR-2E (Europe)


Power Transformer
RED
BLK
RED
ORN
ORN
BLU
BLU
to Power Supply P.C.B. Ass'y
Power Transformer
to Power Supply P.C.B. Ass'y
Power Transformer
to Power Supply P.C.B. Ass'y

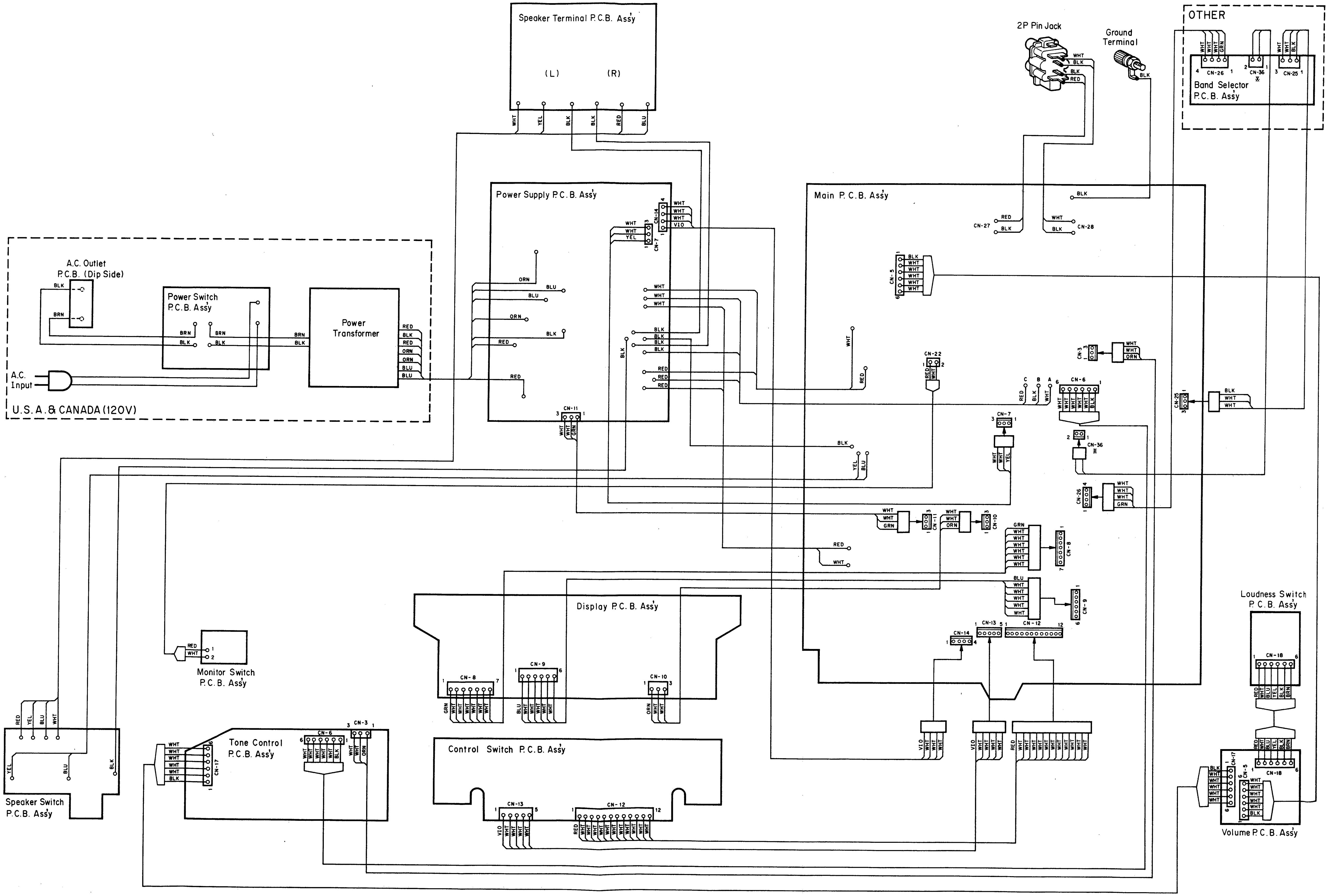

Speaker Terminal P.C.B. Ass'y
(L)
(R)
WHT
YEL
BLK
BLK
RED
BLU
2P Pin Jack
Ground Terminal
OTHER
CN-26
CN-36
CN-25
Band Selector P.C.B. Ass'y
Power Supply P.C.B. Ass'y
CN-14
CN-7
CN-11
Main P.C.B. Ass'y
CN-27
CN-28
CN-5
CN-22
CN-3
CN-6
CN-7
CN-36
CN-26
CN-25
CN-11
CN-10
CN-8
CN-9
CN-14
CN-13
CN-12
A.C. Outlet P.C.B. (Dip Side)
Power Switch P.C.B. Ass'y
Power Transformer
A.C. Input
U.S.A. & CANADA (120V)
Display P.C.B. Ass'y
Monitor Switch P.C.B. Ass'y
Loudness Switch P.C.B. Ass'y
CN-18
Tone Control P.C.B. Ass'y
CN-17
CN-6
CN-3
Control Switch P.C.B. Ass'y
Speaker Switch P.C.B. Ass'y
Volume P.C.B. Ass'y
CN-5
CN-18

Fig. 7.1 For SR-2, SR-2A & SR-2E (Europe)

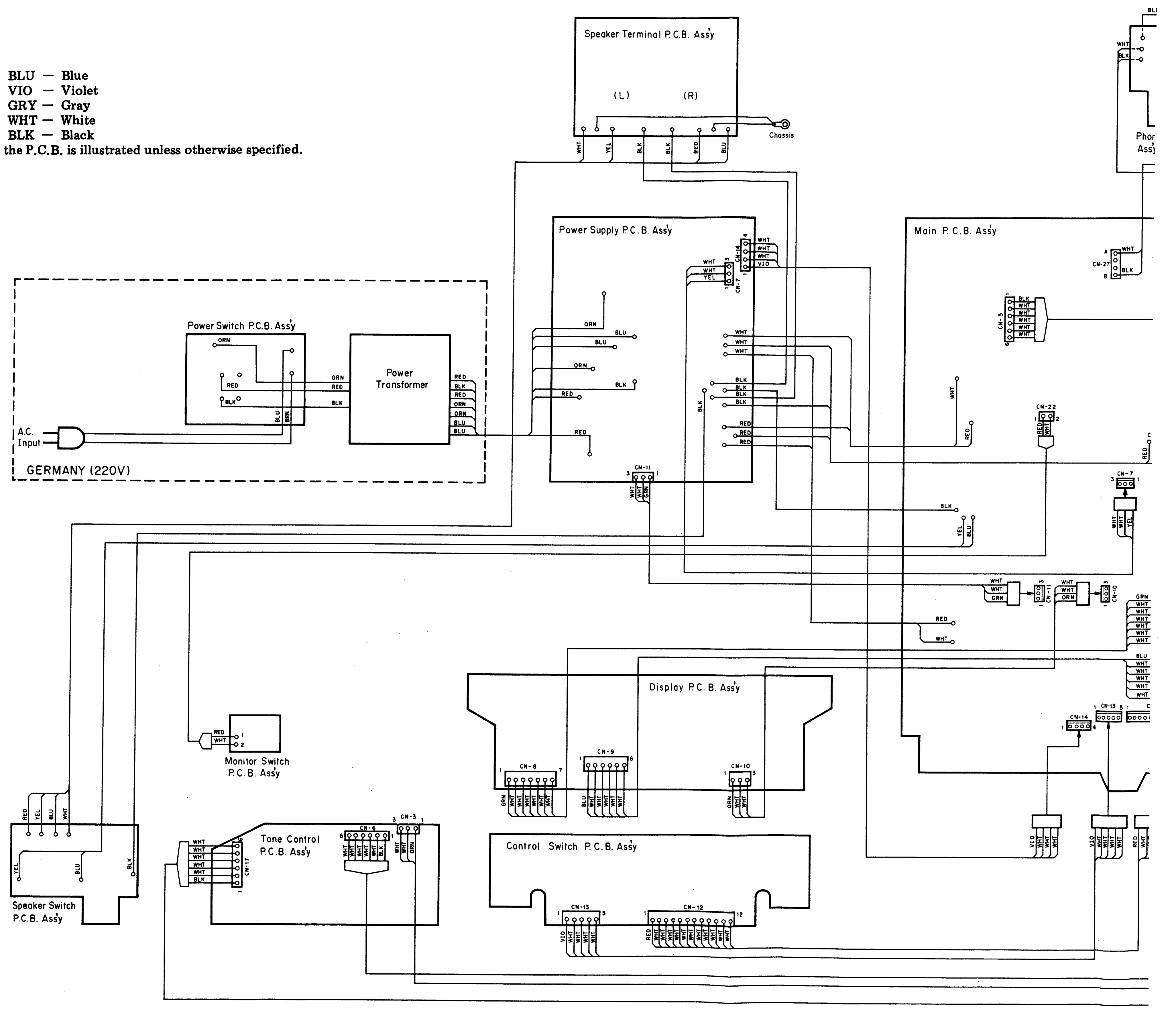
l unless otherwise specified.
lelector P.C.B. Ass'y are

(2) For SR-2E (Germany)

Notes: 1. Table of wire colors

BRN — Brown
RED — Red
ORN — Orange
YEL — Yellow
GRN — Green
BLU — Blue
VIO — Violet
GRY — Gray
WHT — White
BLK — Black

2. Component side view of the P.C.B. is illustrated unless otherwise specified.



Speaker Terminal P.C.B. Ass'y
(L)
(R)
Chassis
WHT
YEL
BLK
BLK
RED
BLU
Power Supply P.C.B. Ass'y
CN-14
CN-7
CN-11
ORN
BLU
RED
BLK
VIO
Main P.C.B. Ass'y
CN-27
CN-5
CN-22
CN-7
CN-11
CN-10
CN-13
CN-14
GRN
Phon
Ass'y
Power Switch P.C.B. Ass'y
Power Transformer
BRN
A.C. Input
GERMANY (220V)
Display P.C.B. Ass'y
CN-8
CN-9
CN-10
Monitor Switch P.C.B. Ass'y
Tone Control P.C.B. Ass'y
CN-6
CN-3
CN-17
Control Switch P.C.B. Ass'y
CN-13
CN-12
Speaker Switch P.C.B. Ass'y

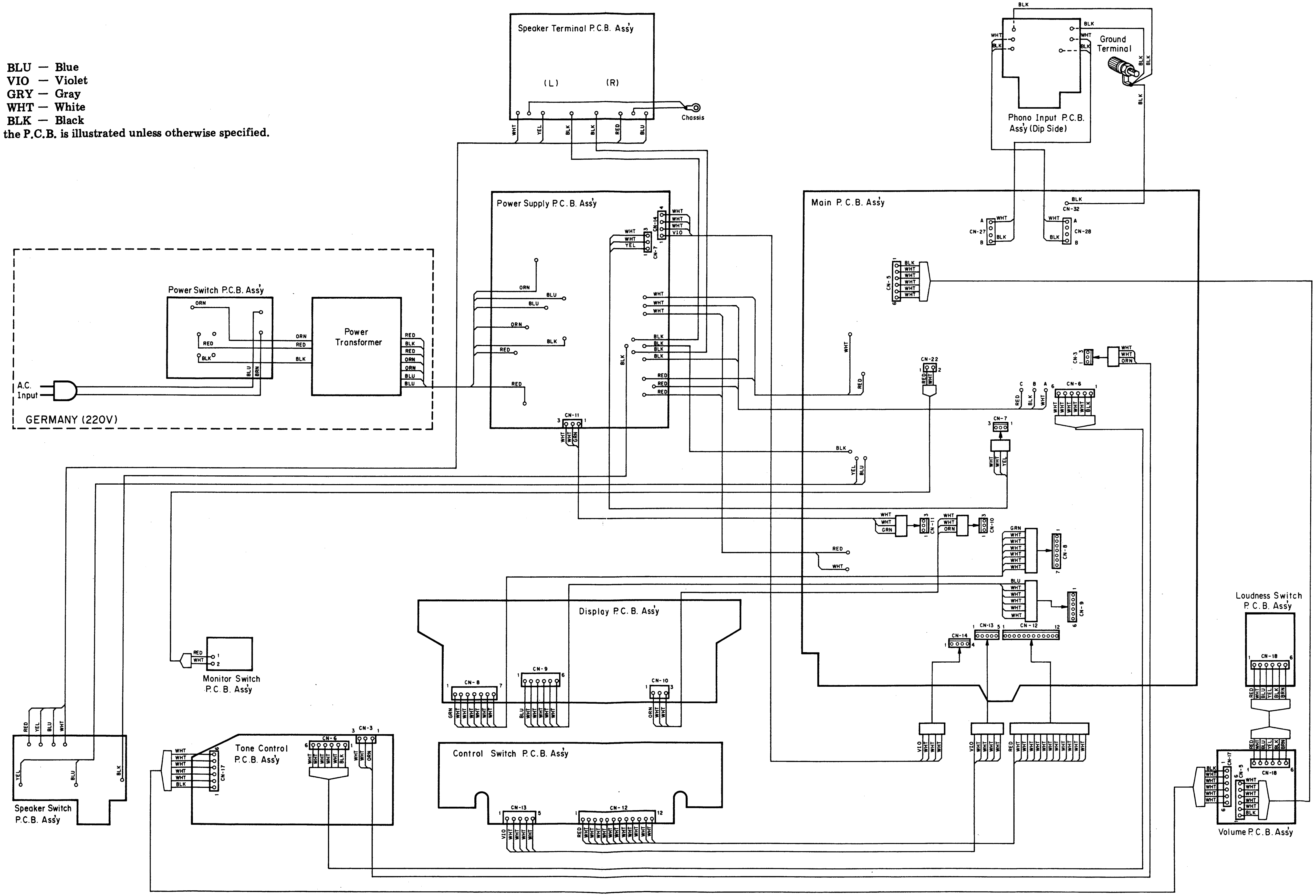
Fig. 7.2 For SR-2E (Germany)

2) For SR-2E (Germany)

Notes: 1. Table of wire colors

BRN	Brown	BLU	Blue
RED	Red	VIO	Violet
ORN	Orange	GRY	Gray
YEL	Yellow	WHT	White
GRN	Green	BLK	Black

2. Component side view of the P.C.B. is illustrated unless otherwise specified.

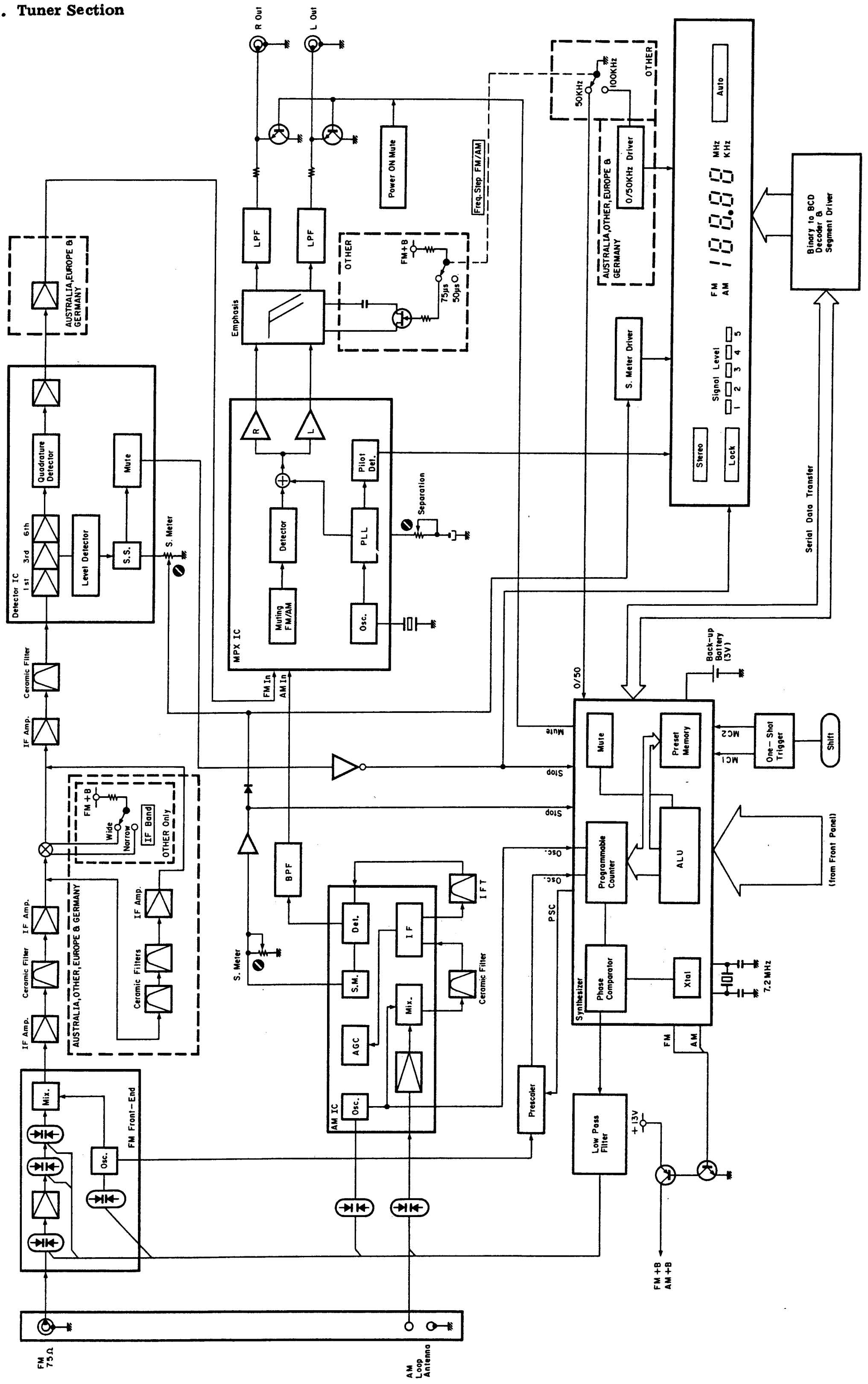


Speaker Terminal P.C.B. Ass'y
(L)
(R)
Chassis
Phono Input P.C.B. Ass'y (Dip Side)
Ground Terminal
Power Supply P.C.B. Ass'y
Main P.C.B. Ass'y
Power Switch P.C.B. Ass'y
Power Transformer
A.C. Input
GERMANY (220V)
CN-14
CN-7
CN-11
CN-27
CN-28
CN-32
CN-5
CN-22
CN-3
CN-6
CN-10
CN-8
CN-9
CN-13
CN-12
Display P.C.B. Ass'y
Monitor Switch P.C.B. Ass'y
Loudness Switch P.C.B. Ass'y
CN-18
Speaker Switch P.C.B. Ass'y
Tone Control P.C.B. Ass'y
CN-17
Control Switch P.C.B. Ass'y
Volume P.C.B. Ass'y

Fig. 7.2 For SR-2E (Germany)

8. BLOCK DIAGRAMS

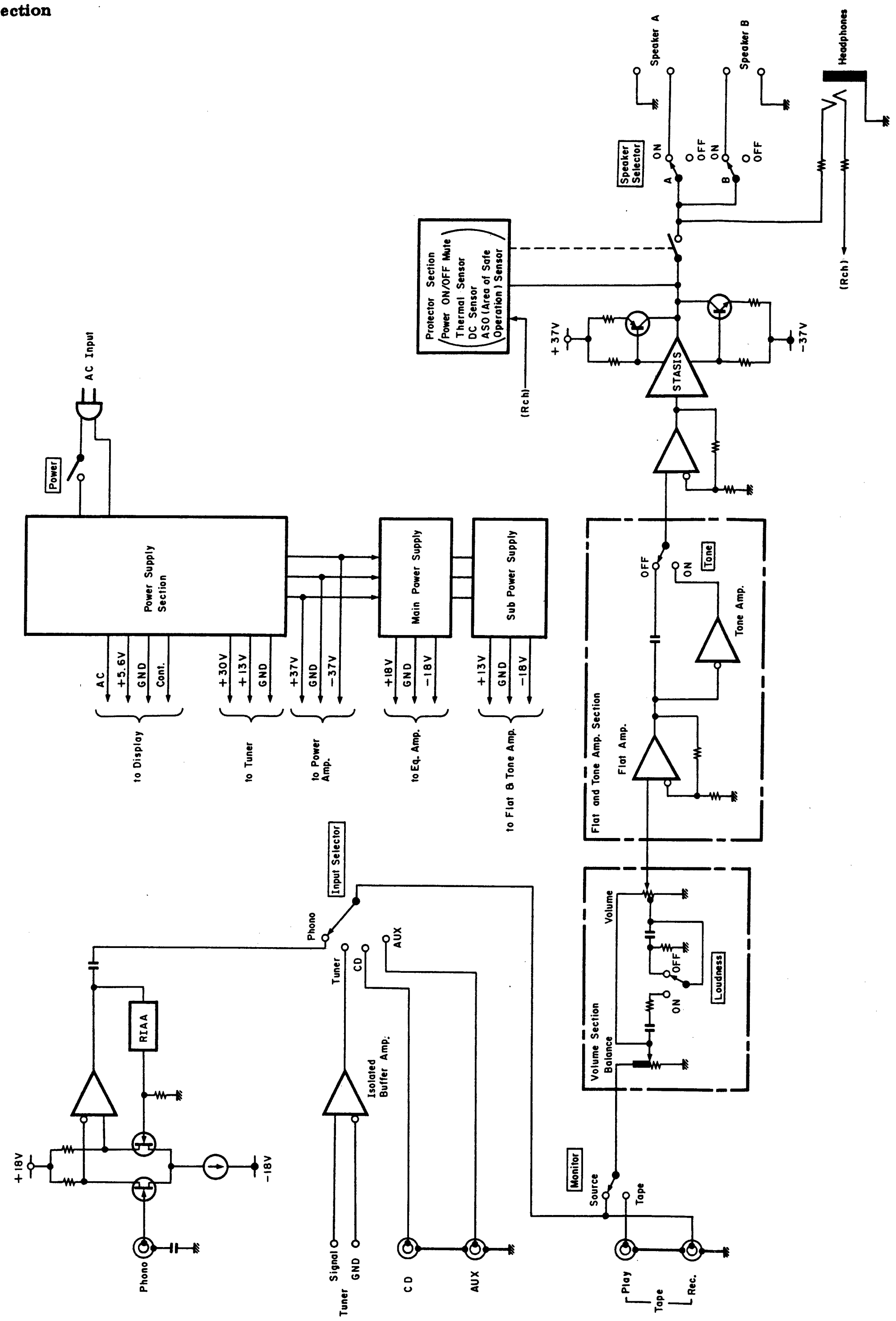
8.1. Tuner Section



R Out
L Out
Power ON Mute
LPF
LPF
OTHER
FM+B
75μs
50μs
Emphasis
Freq. Step FM/AM
50KHz
100KHz
OTHER
AUSTRALIA,OTHER,EUROPE B
GERMANY
0/50KHz Driver
Auto
MHz
KHz
FM
AM
S. Meter Driver
Signal Level
1 2 3 4 5
Stereo
Lock
Binary to BCD
Decoder &
Segment Driver
Serial Data Transfer
AUSTRALIA,EUROPE B
GERMANY
Quadrature Detector
Mute
Level Detector
S.S.
S. Meter
1st 3rd 6th
Detector IC
R
L
Pilot Det.
Separation
Detector
PLL
Muting FM/AM
Osc.
MPX IC
FM In
AM In
0/50
Back-up Battery (3V)
Ceramic Filter
IF Amp.
Mute
Preset Memory
One-Shot Trigger
Shift
MC1
MC2
Stop
FM +B
Wide
Narrow
IF Band
OTHER Only
Programmable Counter
ALU
(from Front Panel)
Osc.
BPF
IF Amp.
Ceramic Filter
Ceramic Filters
AUSTRALIA,OTHER,EUROPE B GERMANY
Det.
IF
IFT
S. Meter
S.M.
Mix.
Ceramic Filter
PSC
AGC
Phase Comparator
Xtal
7.2MHz
Synthesizer
FM
AM
Mix.
Osc.
FM Front-End
AM IC
Prescaler
Low Pass Filter
+13V
FM+B
AM+B
FM 75Ω
AM Loop Antenna

Fig. 8.1

8.2. Amplifier Section



Speaker A
Speaker B
Headphones
Speaker Selector
ON
OFF
A
B
Protector Section
(Power ON/OFF Mute
Thermal Sensor
DC Sensor
ASO (Area of Safe Operation) Sensor)
+37V
−37V
STASIS
(Rch)
(Rch)
AC Input
Power
Power Supply Section
Main Power Supply
Sub Power Supply
AC
+5.6V
GND
Cont.
+30V
+13V
GND
+37V
GND
−37V
+18V
GND
−18V
+13V
GND
−18V
to Display
to Tuner
to Power Amp.
to Eq. Amp.
to Flat & Tone Amp.
Tone
OFF
ON
Tone Amp.
Flat and Tone Amp. Section
Flat Amp.
Input Selector
Phono
Tuner
CD
AUX
Volume
OFF
ON
Loudness
Volume Section
Balance
RIAA
Isolated Buffer Amp.
+18V
−18V
Monitor
Source
Tape
Phono
Signal
GND
Tuner
CD
AUX
Play
Tape
Rec.

Fig. 8.2

9. SPECIFICATIONS

9.1. For SR-2 & SR-2A

Power Amplifier Section

Note: Unless otherwise noted specifications are in accordance with IHF-A-202 measured from any high-level input (CD/AUX/TAPE) to the speaker output.

Continuous Average Output Power	**30 watts per channel into 8 ohms, both channels driven, 20—20,000 Hz at no greater than 0.1% THD**
Dynamic Output Power	45 watts per channel into 8 ohms 55 watts per channel into 4 ohms
Dynamic Head Room (8 ohms)	1.7 dB
Power Bandwidth	5—40,000 Hz
Frequency Response	20—20,000 Hz; +0, —0.5 dB 5—75,000 Hz; +0, —3 dB
Signal to Noise Ratio (A-WTD, Input Shorted)	Better than 105 dB re Rated Power Better than 85 dB (IHF-A-202)
Total Harmonic Distortion (8 ohms, Rated Power, 20 Hz—20 kHz)	Less than 0.1%
Intermodulation Distortion (8 ohms, Rated Power, 60 Hz:7 kHz, 4:1)	Less than 0.15%
Headphone Rated Output (40 ohms)	70 mW
Output Current Capability	14A peak per channel

Preamplifier Section

Note: Unless otherwise noted, specifications are in accordance with IHF-A-202. Except for Sensitivity, S/N, Tone and Loudness characteristics (which are measured to the speaker outputs), measurements are made from the specified input to Rec. Out.

Sensitivity: (for rated Output)	
Phono MM	2.5 mV
CD/Tape	200 mV
Sensitivity: (for 1-watt output per IHF-A-202)	
Phono MM	0.46 mV
CD/Tape	36.5 mV
Input Impedance	
Phono MM	47 kohms
CD/Tape	22 kohms
Maximum Input Level (1 kHz)	
Phono MM	140 mV
Record Output Level/ Impedance	200 mV/1 kohms
Total Harmonic Distortion (1 kHz, to Rec Out, at 1 V)	
Phono MM	Less than 0.002%
RIAA Deviation	
Phono MM	30—20,000 Hz ±0.5 dB
Signal to Noise Ratio (to speaker output per IHF-A-202)	
Phono MM	Better than 80 dB
Tone Controls	
Bass	20 Hz, ±10 dB
Treble	20 kHz, ±10 dB
Loudness (Volume: —30 dB)	20 Hz, +10 dB; 20 kHz, +6 dB

Tuner Section

(1) SR-2 (Canada & Other (see Note)) & SR-2A

Note: Selector switch settings for Other Model
Frequency Step FM/AM: 100 kHz/10 kHz, De-emphasis: 75 μs,
IF Band: Wide

[FM Section]

Note: All RF levels in microvolts given re 300-ohm antenna input. Modulation: Mono 100%, Stereo Pilot 9%, Stereo Audio Signal 91%. All measurements made at Rec. Out jack.

Frequency Range	87.5—108.0 MHz in 100 kHz steps
IHF Usable Sensitivity (Mono)	11 dBf/1.9 μV
50-dB Quieting Sensitivity	
Mono	14.7 dBf/3.0 μV
Stereo	37.5 dBf/41.1 μV
Signal to Noise Ratio at 65 dBf	
Mono	Better than 79 dB
Stereo	Better than 74 dB
Muting Threshold	30 dBf/17.3 μV
Frequency Response	20—15,000 Hz ±1 dB
Total Harmonic Distortion (1 kHz)	
Mono	Less than 0.05%
Stereo	Less than 0.07%
Capture Ratio	2.0 dB
Alternate Channel Selectivity	55 dB (±400 kHz)
Stereo Separation at 100 Hz	Better than 46 dB
at 1 kHz	Better than 50 dB
at 10 kHz	Better than 46 dB
Spurious Response Rejection	Better than 90 dB
Image Rejection	Better than 75 dB
IF Rejection	Better than 80 dB
AM Suppression	Better than 60 dB

[AM Section]

Note: Modulation — 400 Hz, 30%

Frequency Range	520—1,710 kHz in 10 kHz steps
Sensitivity	53 dBμ/m
Signal to Noise Ratio at 90 dBμ/m	Better than 52 dB
Total Harmonic Distortion at 90 dBμ/m	Less than 0.3%
Selectivity	Better than 20 dB (±10 kHz)

(2) SR-2 (Australia & Other (see Note))

Note: Selector switch settings for Other Model
Frequency Step FM/AM: 50 kHz/9 kHz, De-emphasis: 50 μs,
IF Band: Narrow

[FM Section]

Note: All RF levels in microvolts given re 300-ohm antenna input. Modulation: Mono 60%, Stereo Pilot 9%, Stereo Audio Signal 51%. All measurements made at Rec Out jack.

Frequency Range	87.50—108.00 MHz in 50 kHz steps
IHF Usable Sensitivity (Mono)	11 dBf/1.9 μV
50-dB Quieting Sensitivity	
Mono	21.0 dBf/6.1 μV
Stereo	42.0 dBf/69.0 μV
Signal to Noise Ratio at 65 dBf	
Mono	Better than 74 dB
Stereo	Better than 69 dB
Muting Threshold	30 dBf/17.3 μV
Frequency Response	20—15,000 Hz ±1 dB
Total Harmonic Distortion (1 kHz)	
Mono	Less than 0.12% (for Australia), Less than 0.15% (for Other)
Stereo	Less than 0.20% (for Australia), Less than 0.25% (for Other)
Capture Ratio	2.0 dB
Alternate Channel Selectivity	70 dB (±300 kHz)
Stereo Separation at 100 Hz	Better than 43 dB
at 1 kHz	Better than 43 dB
at 10 kHz	Better than 37 dB
Spurious Response Rejection	Better than 90 dB
Image Rejection	Better than 75 dB
IF Rejection	Better than 80 dB
AM Suppression	Better than 60 dB

[AM Section]

Note: Modulation: 400 Hz, 30%

Frequency Range	522—1,611 kHz in 9 kHz steps
Sensitivity	53 dBμ/m
Signal to Noise Ratio at 90 dBμ/m	Better than 52 dB
Total Harmonic Distortion at 90 dBμ/m	Less than 0.3%
Selectivity	Better than 20 dB (±9 kHz)

General

Power Source	120, 240 or 110/120/220/240 V AC, 50/60 Hz (According to country of sale)
Power Consumption	190 watts max.
Convenience Outlets	Switched: 2 (For U.S.A., Canada & Other only)
Dimensions	430 (W) x 100 (H) x 370 (D) mm 16-15/16 (W) x 3-15/16 (H) x 14-9/16 (D) inches
Approximate Weight	7.5 kg, 16 lbs. 9 oz.

9.2. For SR-2E (Europe & Germany)

Power Amplifier Section

Note: Unless otherwise noted specifications are in accordance with IHF-A-202 measured from any high-level input (CD/AUX/TAPE) to the speaker output.

Continuous Average Output Power	**30 watts per channel into 8 ohms, both channels driven, 20—20,000 Hz at no greater than 0.1% THD**
Dynamic Output Power	45 watts per channel into 8 ohms 55 watts per channel into 4 ohms
Dynamic Head Room (8 ohms)	1.7 dB
Power Bandwidth	5—30,000 Hz
Frequency Response	20—20,000 Hz; +0, —1 dB 5—45,000 Hz; +0, —3 dB
Signal to Noise Ratio (A-WTD, Input Shorted)	Better than 105 dB re Rated Power Better than 85 dB (IHF-A-202)
Total Harmonic Distortion (8 ohms, Rated Power, 20 Hz—20 kHz)	Less than 0.1%
Intermodulation Distortion (8 ohms, Rated Power, 60 Hz:7 kHz, 4:1)	Less than 0.15%
Headphone Rated Output (40 ohms)	70 mW
Output Current Capability	14A peak per channel

Preamplifier Section

Note: Unless otherwise noted, specifications are in accordance with IHF-A-202. Except for Sensitivity, S/N, Tone and Loudness characteristics (which are measured to the speaker outputs), measurements are made from the specified input to Rec. Out.

Sensitivity: (for rated Output)	
Phono MM	2.5 mV
CD/Tape	200 mV
Sensitivity: (for 1-watt output per IHF-A-202)	
Phono MM	0.46 mV
CD/Tape	36.5 mV
Input Impedance	
Phono MM	47 kohms
CD/Tape	20 kohms
Maximum Input Level (1 kHz)	
Phono MM	140 mV
Record Output Level/ Impedance	200 mV/1 kohms
Total Harmonic Distortion (1 kHz, to Rec Out, at 1 V)	
Phono MM	Less than 0.002%
RIAA Deviation	
Phono MM	30—20,000 Hz ±0.5 dB
Signal to Noise Ratio (to speaker output per IHF-A-202)	
Phono MM	Better than 78 dB
Tone Controls	
Bass	20 Hz, ±10 dB
Treble	20 kHz, ±10 dB
Loudness (Volume: —30 dB)	20 Hz, +10 dB; 20 kHz, +6 dB

Tuner Section

[FM Section]

Note: All RF levels in microvolts given re 300-ohm antenna input. Modulation: Mono 60%, Stereo Pilot 9%, Stereo Audio Signal 51%. All measurements made at Rec Out jack.

Frequency Range	87.50—108.00 MHz in 50 kHz steps
IHF Usable Sensitivity (Mono)	11 dBf/1.9 μV
50-dB Quieting Sensitivity	
Mono	23.0 dBf/7.7 μV
Stereo	43.0 dBf/77.4 μV

Signal to Noise Ratio at 65 dBf	
Mono	Better than 72 dB
Stereo	Better than 67 dB
Muting Threshold	30 dBf/17.3 μV
Frequency Response	20—15,000 Hz ±1 dB
Total Harmonic Distortion (1 kHz)	
Mono	Less than 0.20%
Stereo	Less than 0.25%
Capture Ratio	2.0 dB
Alternate Channel Selectivity	70 dB (±300 kHz)
Stereo Separation at 100 Hz	Better than 43 dB
at 1 kHz	Better than 43 dB
at 10 kHz	Better than 27 dB
Spurious Response Rejection	Better than 90 dB
Image Rejection	Better than 75 dB
IF Rejection	Better than 80 dB
AM Suppression	Better than 60 dB

[AM Section]

Note: Modulation: 400 Hz, 30%

Frequency Range	522—1,611 kHz in 9 kHz steps
Sensitivity	53 dBμ/m
Signal to Noise Ratio at 90 dBμ/m	Better than 52 dB
Total Harmonic Distortion at 90 dBμ/m	Less than 0.3%
Selectivity	Better than 20 dB (±9 kHz)

General

Power Source	220 V AC, 50/60 Hz
Power Consumption	190 watts max.
Dimensions	430 (W) x 100 (H) x 370 (D) mm 16-15/16 (W) x 3-15/16 (H) x 14-9/16 (D) inches
Approximate Weight	7.5 kg, 16 lbs. 9 oz.

- Specifications and design are subject to change for further improvement without notice.
- STASIS manufactured under license from Threshold Corporation.
- STASIS is a trademark of Threshold Corporation.

Service Manual

Nakamichi SR-2, SR-2A, SR-2E

Nakamichi Corporation/Tokyo Office Shinjuku Daiichi Seimei Bldg., 2-7-1 Nishishinjuku, Shinjuku-ku, Tokyo 163 Phone: (03) 342-4461 Telex: 2324721 (NAKAM J)
Nakamichi America Corporation 19701 South Vermont Ave., Torrance, CA 90502 Phone: (213) 538-8150
Nakamichi Canada 276 South West, Marine Drive, Vancouver, B.C. V5X 2R4 Phone: (604) 324-7535
Nakamichi GmbH Stephanienstrasse 6, 4000 Düsseldorf 1 Phone: (0211) 359036

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